BRUHAT BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of Work: Package 2 Consists of 3 Works of Rs.1100.00 Lakhs

1.Improvements to roads and drains at Kogilu and surrounding area in Ward No 05 Byatarayanapura sub division.

DETAILED-MEASUREMENT

FOURTH & PART BILL

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
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BRUHAT BANGALORE MAHANAGARA PALIKE

BYATARAYANAPURA SUB DIVISION

Bill No :Fourth and Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name of Work : - Improvements to roads and drains at Kogilu and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
14	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg|Sqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.158, I.No.21.6 of PW,P&IWTD SR 2018-19)											
Measurements recorded on 1 to 3												
	Qty vide Pre measurement sheet page no .											
								Total Quantity	8571.96	Sqm	29.00	2,48,587.00
15	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.158, I.No.21.2 of PW,P&IWTD SR 2018-19)											
Measurements recorded on 4 to 6												
	Qty vide Pre measurement sheet page no .											
								Total Quantity	6344.60	Sqm	6.00	38,068.00
16	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 Sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.158 I.No.21.7 of PW,P&IWTD SR of 2018-19)											
Measurements recorded on 7 to 14												
	Qty vide Pre measurement sheet page no .											
								Total Quantity	21929.34	Sqm	12.00	2,63,152.00
17	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)											
Measurements recorded on 16 to 17												
	Qty vide Pre measurement sheet page no .											
								Total Quantity	389.62	Cum	7284.00	28,37,982.00
18	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) (P.No.17[illegible], I.No.21.78.12 of PW,P&IWTD SR 2018-19) As per Issue rate dated: 03/01/2020											

Tejus Consultants

BENAKA DEVELOPERS AND PROJECT PVT. LTD. BANGALORE

Assistant Engineer

Assistant Executive Engineer

Name of Work : - Improvements to roads and drains at Kogilu and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	Tirumenahalli Main Road (From Gvt School to Agrahara Main Road)												
	0.00	15.00		1	15.00	6.00	6.70	6.35	0.04	3.81			
	15.00	30.00		1	15.00	6.70	6.70	6.70	0.04	4.02			
	30.00	45.00		1	15.00	6.70	6.80	6.75	0.04	4.05			
	45.00	60.00		1	15.00	6.80	5.35	6.08	0.04	3.65			
	60.00	65.50		1	5.50	5.35	6.60	5.98	0.04	1.31			
	65.50	67.50		1	2.00	6.60	6.10	6.35	0.04	0.51			
	67.50	78.00		1	10.50	6.10	5.85	5.98	0.04	2.51			
	78.00	90.00		1	12.00	5.85	5.80	5.83	0.04	2.80			
	90.00	105.00		1	15.00	5.80	5.80	5.80	0.04	3.48			
	105.00	120.00		1	15.00	5.80	5.60	5.70	0.04	3.42			
	120.00	135.00		1	15.00	5.60	5.85	5.73	0.04	3.44			
	135.00	150.00		1	15.00	5.85	5.90	5.88	0.04	3.53			
	150.00	165.00		1	15.00	5.90	6.20	6.05	0.04	3.63			
	165.00	180.00		1	15.00	6.20	5.80	6.00	0.04	3.60			
	180.00	191.50		1	11.50	5.80	7.40	6.60	0.04	3.04			
	191.50	195.50		1	4.00	7.40	6.00	6.70	0.04	1.07			
	195.50	210.00		1	14.50	6.00	5.90	5.95	0.04	3.45			
	210.00	215.00		1	5.00	5.90	6.80	6.35	0.04	1.27			
	215.00	221.50		1	6.50	6.80	5.90	6.35	0.04	1.65			
	221.50	235.00		1	13.50	5.90	5.75	5.83	0.04	3.15			
	235.00	250.00		1	15.00	5.75	5.90	5.83	0.04	3.50			
	250.00	265.00		1	15.00	5.90	5.90	5.90	0.04	3.54			
	265.00	280.00		1	15.00	5.90	5.85	5.88	0.04	3.53			
	280.00	295.00		1	15.00	5.85	6.05	5.95	0.04	3.57			
	295.00	300.00		1	5.00	6.05	5.80	5.93	0.04	1.19			
	300.00	310.00		1	10.00	5.80	5.75	5.78	0.04	2.31			
	310.00	325.00		1	15.00	5.75	5.60	5.68	0.04	3.41			
	325.00	340.00		1	15.00	5.60	5.65	5.63	0.04	3.38			
	340.00	355.00		1	15.00	5.65	5.90	5.78	0.04	3.47			
	355.00	370.00		1	15.00	5.90	5.10	5.50	0.04	3.30			
	370.00	385.00		1	15.00	5.10	5.20	5.15	0.04	3.09			
	385.00	400.00		1	15.00	5.20	5.65	5.43	0.04	3.26			
	400.00	415.00		1	15.00	5.65	6.00	5.83	0.04	3.50			
	415.00	430.00		1	15.00	6.00	5.70	5.85	0.04	3.51			
	430.00	445.00		1	15.00	5.70	5.85	5.78	0.04	3.47			
	445.00	460.00		1	15.00	5.85	5.60	5.73	0.04	3.44			
	460.00	475.00		1	15.00	5.60	5.35	5.48	0.04	3.29			
	475.00	490.00		1	15.00	5.35	6.00	5.68	0.04	3.41			
	490.00	498.00		1	8.00	6.00	5.00	5.50	0.04	1.76			
	498.00	515.00		1	17.00	5.00	4.65	4.83	0.04	3.28			
	515.00	530.00		1	15.00	4.65	5.10	4.88	0.04	2.93			
	530.00	545.00		1	15.00	5.10	5.00	5.05	0.04	3.03			
	545.00	560.00		1	15.00	5.00	4.65	4.83	0.04	2.90			
	560.00	575.00		1	15.00	4.65	4.50	4.58	0.04	2.75			
	575.00	583.00		1	8.00	4.50	4.20	4.35	0.04	1.39			
	583.00	588.00		1	5.00	4.20	4.80	4.50	0.04	0.90			
	588.00	593.00		1	5.00	4.80	6.10	5.45	0.04	1.09			
	593.00	598.00		1	5.00	6.10	7.50	6.80	0.04	1.36			
	598.00	600.00		1	2.00	7.50	6.45	6.98	0.04	0.56			
	600.00	610.00		1	10.00	6.45	6.00	6.23	0.04	2.49			
	610.00	615.00		1	5.00	6.00	5.85	5.93	0.04	1.19			
	615.00	620.00		1	5.00	5.85	7.00	6.43	0.04	1.29			
	620.00	625.00		1	5.00	7.00	6.55	6.78	0.04	1.36			
	625.00	640.00		1	15.00	6.55	6.30	6.43	0.04	3.86			
	640.00	655.00		1	15.00	6.30	6.30	6.30	0.04	3.78			
	655.00	670.00		1	15.00	6.30	6.30	6.30	0.04	3.78			

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

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Name of Work : - Improvements to roads and drains at Kogilu and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	670.00	685.00		1	15.00	6.30	6.25	6.28	0.04	3.77			
	685.00	700.00		1	15.00	6.25	6.25	6.25	0.04	3.75			
	700.00	715.00		1	15.00	6.25	6.25	6.25	0.04	3.75			
	715.00	729.50		1	14.50	6.25	6.35	6.30	0.04	3.65			
	729.50	730.90		0	1.40	0.00	0.00	0.00	0.04	0.00			
	730.90	745.00		1	14.10	6.35	6.40	6.38	0.04	3.60			
	745.00	760.00		1	15.00	6.40	6.35	6.38	0.04	3.83			
	760.00	775.00		1	15.00	6.35	6.40	6.38	0.04	3.83			
	775.00	790.00		1	15.00	6.40	6.10	6.25	0.04	3.75			
	790.00	805.00		1	15.00	6.10	6.05	6.08	0.04	3.65			
	805.00	820.00		1	15.00	6.05	6.30	6.18	0.04	3.71			
	820.00	835.00		1	15.00	6.30	6.60	6.45	0.04	3.87			
	835.00	850.00		1	15.00	6.60	6.70	6.65	0.04	3.99			
	850.00	855.00		1	5.00	6.70	7.60	7.15	0.04	1.43			
	855.00	861.00		1	6.00	7.60	6.25	6.93	0.04	1.66			
	861.00	875.00		1	14.00	6.25	6.60	6.43	0.04	3.60			
	875.00	880.00		1	5.00	6.60	7.00	6.80	0.04	1.36			
	880.00	884.00		1	4.00	7.00	7.70	7.35	0.04	1.18			
	884.00	890.10		1	6.10	7.70	6.75	7.23	0.04	1.76			
	890.10	892.60		0	2.50	0.00	0.00	0.00	0.04	0.00			
	892.60	898.00		1	5.40	7.90	6.60	7.25	0.04	1.57			
	898.00	910.00		1	12.00	6.60	5.70	6.15	0.04	2.95			
	910.00	925.00		1	15.00	5.70	5.20	5.45	0.04	3.27			
	925.00	940.00		1	15.00	5.20	4.75	4.98	0.04	2.99			
	940.00	955.00		1	15.00	4.75	4.80	4.78	0.04	2.87			
	955.00	963.00		1	8.00	4.80	6.10	5.45	0.04	1.74			
	963.00	972.00		1	9.00	6.10	5.00	5.55	0.04	2.00			
	972.00	985.00		1	13.00	5.00	5.10	5.05	0.04	2.63			
	985.00	999.00		1	14.00	5.10	5.00	5.05	0.04	2.83			
	999.00	1002.00		1	3.00	5.00	5.00	5.00	0.04	0.60			
	1002.00	1015.00		1	13.00	5.00	4.90	4.95	0.04	2.57			
	1015.00	1030.00		1	15.00	4.90	5.20	5.05	0.04	3.03			
	1030.00	1045.00		1	15.00	5.20	5.45	5.33	0.04	3.20			
	1045.00	1060.00		1	15.00	5.45	5.90	5.68	0.04	3.41			
	1060.00	1075.00		1	15.00	5.90	5.25	5.58	0.04	3.35			
	1075.00	1090.00		1	15.00	5.25	5.15	5.20	0.04	3.12			
	1090.00	1105.00		1	15.00	5.15	5.25	5.20	0.04	3.12			
	1105.00	1120.00		1	15.00	5.25	5.25	5.25	0.04	3.15			
	1120.00	1135.00		1	15.00	5.25	4.95	5.10	0.04	3.06			
	1135.00	1150.00		1	15.00	4.95	5.65	5.30	0.04	3.18			
	1150.00	1165.00		1	15.00	5.65	5.25	5.45	0.04	3.27			
	1165.00	1180.00		1	15.00	5.25	5.65	5.45	0.04	3.27			
	1180.00	1195.00		1	15.00	5.65	5.90	5.78	0.04	3.47			
	1195.00	1210.00		1	15.00	5.90	6.30	6.10	0.04	3.66			
	1210.00	1225.00		1	15.00	6.30	6.05	6.18	0.04	3.71			
	1225.00	1240.00		1	15.00	6.05	5.80	5.93	0.04	3.56			
	1240.00	1255.00		1	15.00	5.80	5.70	5.75	0.04	3.45			
	1255.00	1270.00		1	15.00	5.70	5.60	5.65	0.04	3.39			
	1270.00	1285.00		1	15.00	5.60	5.10	5.35	0.04	3.21			
	1285.00	1300.00		1	15.00	5.10	5.00	5.05	0.04	3.03			
	1300.00	1315.00		1	15.00	5.00	5.10	5.05	0.04	3.03			
	1315.00	1330.00		1	15.00	5.10	4.65	4.88	0.04	2.93			
	1330.00	1336.00		1	6.00	4.65	4.30	4.48	0.04	1.07			
	1336.00	1345.00		0	9.00	0.00	0.00	0.00	0.04	0.00			
	1345.00	1360.00		1	15.00	4.80	6.55	5.68	0.04	3.41			
	1360.00	1363.00		1	3.00	6.55	7.00	6.78	0.04	0.81			
	1363.00	1363.00		1	3.00	7.00	7.30	7.15	0.04	0.57			

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvements to roads and drains at Kogilu and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	2nd Main, 7th c/s Rd in Shree Balaji Layout												
	0.00	15.00		1	15.00	4.50	5.20	4.85	0.04	2.91			
	15.00	30.00		1	15.00	5.20	5.20	5.20	0.04	3.12			
	30.00	45.00		1	15.00	5.20	4.90	5.05	0.04	3.03			
	45.00	60.00		1	15.00	4.90	5.00	4.95	0.04	2.97			
	60.00	75.00		1	15.00	5.00	4.90	4.95	0.04	2.97			
	75.00	90.00		1	15.00	4.90	4.90	4.90	0.04	2.94			
	90.00	105.00		1	15.00	4.90	5.10	5.00	0.04	3.00			
	105.00	120.00		1	15.00	5.10	4.90	5.00	0.04	3.00			
	120.00	138.50		1	18.50	4.90	4.90	4.90	0.04	3.63			
	2nd Main, 5th c/s Rd in Shree Balaji Layout												
	0.00	15.00		1	15.00	5.50	5.40	5.45	0.04	3.27			
	15.00	30.00		1	15.00	5.40	5.10	5.25	0.04	3.15			
	30.00	45.00		1	15.00	5.10	5.10	5.10	0.04	3.06			
	45.00	60.00		1	15.00	5.10	5.10	5.10	0.04	3.06			
	60.00	75.00		1	15.00	5.10	5.20	5.15	0.04	3.09			
	75.00	90.00		1	15.00	5.20	5.10	5.15	0.04	3.09			
	90.00	105.00		1	15.00	5.10	4.90	5.00	0.04	3.00			
	105.00	120.00		1	15.00	4.90	4.90	4.90	0.04	2.94			
	120.00	135.20		1	15.20	4.90	5.00	4.95	0.04	3.01			
	2nd Main, (#7,Mathrushreee, Rajanna House Road)												
	0.00	15.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	15.00	30.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	30.00	45.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	45.00	60.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	60.00	75.00		1	15.00	5.00	5.30	5.15	0.04	3.09			
	75.00	90.00		1	15.00	5.30	5.80	5.55	0.04	3.33			
	90.00	105.00		1	15.00	5.80	5.70	5.75	0.04	3.45			
	105.00	118.30		1	13.30	5.70	5.60	5.65	0.04	3.01			
	2nd Main, 3rd c/s Rd in Shree Balaji Layout												
	0.00	15.00		1	15.00	5.10	5.40	5.25	0.04	3.15			
	15.00	30.00		1	15.00	5.40	6.40	5.90	0.04	3.54			
	30.00	45.00		1	15.00	6.40	6.20	6.30	0.04	3.78			
	45.00	60.00		1	15.00	6.20	6.00	6.10	0.04	3.66			
	60.00	75.00		1	15.00	6.00	6.10	6.05	0.04	3.63			
	75.00	90.00		1	15.00	6.10	6.30	6.20	0.04	3.72			
	90.00	105.00		1	15.00	6.30	6.10	6.20	0.04	3.72			
	105.00	120.00		1	15.00	6.10	6.20	6.15	0.04	3.69			
	120.00	135.00		1	15.00	6.20	6.30	6.25	0.04	3.75			
	135.00	150.00		1	15.00	6.30	6.80	6.55	0.04	3.93			
	150.00	164.60		1	14.60	6.80	5.70	6.25	0.04	3.65			
	2nd Main, 4th c/s Rd in Shree Balaji Layout												
	0.00	15.00		1	15.00	5.10	5.10	5.10	0.04	3.06			
	15.00	30.00		1	15.00	5.10	5.10	5.10	0.04	3.06			
	30.00	45.00		1	15.00	5.10	5.00	5.05	0.04	3.03			
	45.00	60.00		1	15.00	5.00	5.30	5.15	0.04	3.09			
	60.00	75.00		1	15.00	5.30	5.20	5.25	0.04	3.15			
	75.00	90.00		1	15.00	5.20	5.20	5.20	0.04	3.12			
	90.00	105.00		1	15.00	5.20	5.30	5.25	0.04	3.15			
	105.00	120.00		1	15.00	5.30	5.20	5.25	0.04	3.15			
	120.00	135.00		1	15.00	5.20	5.20	5.20	0.04	3.12			
	135.00	150.00		1	15.00	5.20	5.20	5.20	0.04	3.12			
	150.00	165.00		1	15.00	5.20	5.00	5.10	0.04	3.06			
	165.00	180.00		1	15.00	5.00	5.00	5.00	0.04	3.00			

TEJUS CONSULTANTS Tejus Consultants

BENAKA DEVELOPERS AND PROJECTS PVT LTD * BANGALORE *

12/7/22

Assistant Engineer

ಸಹಾಯಕ Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvements to roads and drains at Kogilu and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	180.00	195.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	195.00	206.00		1	11.00	5.00	4.90	4.95	0.04	2.18			
	Chamundi Layout												
	8th c/s Road LHS Side in Chamundi Layout												
	0.00	15.00		1	15.00	6.10	5.70	5.90	0.04	3.54			
	15.00	30.00		1	15.00	5.70	6.10	5.90	0.04	3.54			
	30.00	48.40		1	18.40	6.10	6.10	6.10	0.04	4.49			
	7th c/s Road LHS Side in Chamundi Layout												
	0.00	15.00		1	15.00	5.80	5.80	5.80	0.04	3.48			
	15.00	29.00		1	14.00	5.80	5.60	5.70	0.04	3.19			
	6th c/s Road LHS Side in Chamundi Layout												
	0.00	15.00		1	15.00	5.90	5.70	5.80	0.04	3.48			
	15.00	30.00		1	15.00	5.70	5.80	5.75	0.04	3.45			
	30.00	47.50		1	17.50	5.80	5.80	5.80	0.04	4.06			
	5th c/s Road in Chamundi Layout												
	0.00	15.00		1	15.00	5.80	5.70	5.75	0.04	3.45			
	15.00	30.00		1	15.00	5.70	5.80	5.75	0.04	3.45			
	30.00	41.40		0	0.00	0.00	0.00	0.00	0.04	0.00	Chamundi layout Main Road		
	41.40	56.00		1	14.60	5.90	5.90	5.90	0.04	3.45			
	56.00	70.00		1	14.00	5.90	5.80	5.85	0.04	3.28			
	70.00	85.00		1	15.00	5.80	5.80	5.80	0.04	3.48			
	85.00	88.90		1	3.90	5.80	5.80	5.80	0.04	0.90			
	4th c/s Road in Chamundi Layout												
	0.00	15.00		1	15.00	5.80	5.90	5.85	0.04	3.51			
	15.00	30.00		1	15.00	5.90	5.90	5.90	0.04	3.54			
	30.00	34.80		1	4.80	5.90	5.90	5.90	0.04	1.13			
	34.80	36.40		0	0.00	0.00	0.00	0.00	0.04	0.00	RCC c/s Culvert		
	36.40	46.20		0	0.00	0.00	0.00	0.00	0.04	0.00	Chamundi layout Main Road		
	46.20	47.80		0	0.00	0.00	0.00	0.00	0.04	0.00	RCC c/s Culvert		
	47.80	60.00		1	12.20	5.40	5.50	5.45	0.04	2.66			
	60.00	75.00		1	15.00	5.50	5.80	5.65	0.04	3.39			
	75.00	90.00		1	15.00	5.80	5.50	5.65	0.04	3.39			
	90.00	105.00		1	15.00	5.50	4.70	5.10	0.04	3.06			
	105.00	123.60		1	18.60	4.70	4.70	4.70	0.04	3.50			
	3rd c/s Road in Chamundi Layout												
	0.00	12.00		1	12.00	6.00	5.50	5.75	0.04	2.76			
	12.00	25.00		1	13.00	5.50	6.00	5.75	0.04	2.99			
	25.00	36.80		1	11.80	6.00	6.00	6.00	0.04	2.83			
	36.80	38.40		1	1.60	0.00	0.00	0.00	0.04	0.00	RCC c/s Culvert		
	38.40	48.20			9.80	0.00	0.00	0.00	0.04	0.00	Chamundi layout Main Road		
	48.20	60.00		1	11.80	5.50	5.20	5.35	0.04	2.53			
	60.00	75.00		1	15.00	5.20	6.00	5.60	0.04	3.36			
	75.00	97.00		1	22.00	6.00	6.00	6.00	0.04	5.28			
								Total Quantity		**565.48**	**Cum**	**8613.76**	**48,70,898.00**

Tejus Consultants

Asst. Engineer

Assistant Executive Engineer

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Name of Work : - Improvements to roads and drains at Kogilu and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
19	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per Sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)											
	Tirumenahalli Main Road (From Gvt School to Agrahara Main Road)											
	Edge Line		2	1352.10			0.10		270.42			
	Centre Line		0.50	1352.10			0.10		67.61			
	2nd Main, 7th c/s Rd in Shree Balaji Layout											
	Edge Line		2	138.50			0.10		27.70			
	Centre Line		0.50	138.50			0.10		6.93			
	2nd Main, 5th c/s Rd in Shree Balaji Layout											
	Edge Line		2	135.20			0.10		27.04			
	Centre Line		0.50	135.20			0.10		6.76			
	2nd Main, (#7,Mathrushreee, Rajanna House Road)											
	Edge Line		2	118.30			0.10		23.66			
	Centre Line		0.50	118.30			0.10		5.92			
	2nd Main, 3rd c/s Rd in Shree Balaji Layout											
	Edge Line		2	164.60			0.10		32.92			
	Centre Line		0.50	164.60			0.10		8.23			
	2nd Main, 4th c/s Rd in Shree Balaji Layout											
	Edge Line		2	206.00			0.10		41.20			
	Centre Line		0.50	206.00			0.10		10.30			
	Chamundi Layout											
	8th c/s Road LHS Side in Chamundi Layout											
	Edge Line		2	48.40			0.10		9.68			
	7th c/s Road LHS Side in Chamundi Layout											
	Edge Line		2	29.00			0.10		5.80			
	6th c/s Road LHS Side in Chamundi Layout											
	Edge Line		2	47.50			0.10		9.50			
	5th c/s Road in Chamundi Layout											
	Edge Line		2	77.50			0.10		15.50			
	4th c/s Road in Chamundi Layout											
	Edge Line		2	110.60			0.10		22.12			
	3rd c/s Road in Chamundi Layout											
	Edge Line		2	85.60			0.10		17.12			
							Total Quantity		608.40	Sqm	458.00	2,78,645.00
											Total Amount	85,37,332.00
											Add 12% GST	10,24,479.84
											Grand Amount	95,61,811.84

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of Work: Package 2 Consists of 3 Works of Rs.1100.00 Lakhs

2.Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division.

DETAILED-MEASUREMENT

FOURTH & PART BILL

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

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BRUHAT BANGALORE MAHANAGARA PALIKE
BYATARAYANAPURA SUB DIVISION

Bill No :Fourth and Part Bill
Name of Agency :- Benaka Developers & Project Pvt.Ltd.
Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
12	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301with 4km lead= (I No-19.14,P No-143)											
Measurements recorded on												
	Qty vide Pre measurement sheet page no . 01											
								Total Quantity	284.40	Cum	60.00	17,064.00
13	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)											
Measurements recorded on												
	Qty vide Pre measurement sheet page no . 02											
								Total Quantity	237.00	Cum	1729.00	4,09,773.00
14	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/Sqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.158, I.No.21.6 of PW,P&IWTD SR 2018-19)											
Measurements recorded on	15											
	Qty vide Pre measurement sheet page no .											
								Total Quantity	14057.70	Sqm	29.00	4,07,673.00
15	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.158, I.No.21.2 of PW,P&IWTD SR 2018-19)											
Measurements recorded on	9											
	Qty vide Pre measurement sheet page no . 33											
								Total Quantity	13379.56	Sqm	6.00	80,277.00
16	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 Sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.158 I.No.21.7 of PW,P&IWTD SR of 2018-19)											
Measurements recorded on												
	Qty vide Pre measurement sheet page no . 35											
								Total Quantity	27189.30	Sqm	12.00	3,26,272.00

Tejus Consultants

BENAKA DEVELOPERS AND PROJECTS PVT.LTD. BANGALORE

Assistant Executive Engineer

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Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
17	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)											
Measurements recorded on												
	Qty vide Pre measurement sheet page no . 37											
							Total Quantity		80.21	Cum	7284.00	5,84,250.00
18	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) (P.No.171, I.No.21.78.12 of PW,P&IWTD SR 2018-19) As per Issue rate dated: 03/01/2020											
	Balaji badavane											
	0.00	14.00		1	14.00	6.00	7.40	6.70	0.04	3.75		
	14.00	19.30		1	5.30	7.40	5.20	6.30	0.04	1.34		
	19.30	30.00		1	10.70	5.20	5.25	5.23	0.04	2.24		
	30.00	45.00		1	15.00	5.25	5.00	5.13	0.04	3.08		
	45.00	48.00		1	3.00	5.00	5.30	5.15	0.04	0.62		
	48.00	49.50		1	1.50	5.30	8.55	6.93	0.04	0.42		
	Connected 4th A to 4th B											
	0.00	15.00		1	15.00	5.00	5.35	5.18	0.04	3.11		
	15.00	30.00		1	15.00	5.35	5.00	5.18	0.04	3.11		
	30.00	37.00		1	7.00	5.00	5.00	5.00	0.04	1.40		
	4th A in Balaji Badavane											
	0.00	2.00		1	2.00	5.80	4.60	5.20	0.04	0.42		
	2.00	15.00		1	13.00	4.60	4.10	4.35	0.04	2.26		
	15.00	30.00		1	15.00	4.10	4.15	4.13	0.04	2.48		
	30.00	45.00		1	15.00	4.15	4.30	4.23	0.04	2.54		
	45.00	60.00		1	15.00	4.30	4.40	4.35	0.04	2.61		
	60.00	70.00		1	10.00	4.40	4.10	4.25	0.04	1.70		
	70.00	75.00		1	5.00	4.10	4.10	4.10	0.04	0.82		
	75.00	90.00		1	15.00	4.10	4.30	4.20	0.04	2.52		
	90.00	105.00		1	15.00	4.30	4.30	4.30	0.04	2.58		
	105.00	113.00		1	8.00	4.30	4.30	4.30	0.04	1.38		
	4th B in Balaji Badavane											
	0.00	15.00		1	15.00	4.60	3.80	4.20	0.04	2.52		
	15.00	30.00		1	15.00	3.80	3.85	3.83	0.04	2.30		
	30.00	45.00		1	15.00	3.85	3.85	3.85	0.04	2.31		
	45.00	60.00		1	15.00	3.85	4.00	3.93	0.04	2.36		
	60.00	75.00		1	15.00	4.00	3.85	3.93	0.04	2.36		
	75.00	90.00		1	15.00	3.85	3.85	3.85	0.04	2.31		
	90.00	105.00		1	15.00	3.85	3.85	3.85	0.04	2.31		
	105.00	116.50		1	11.50	3.85	4.20	4.03	0.04	1.85		

24/6/22

56.64

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

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Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	2nd Main Rd Kuvempu layout												
	Agrahara Layout Mn rd to manjunatha Mn Rd												
	0.00	15.00		1	15.00	4.90	5.00	4.95	0.04	2.97			
	15.00	30.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	30.00	45.00		1	15.00	5.00	4.90	4.95	0.04	2.97			
	45.00	60.00		1	15.00	4.90	4.80	4.85	0.04	2.91			
	60.00	75.00		1	15.00	4.80	5.00	4.90	0.04	2.94			
	75.00	90.00		1	15.00	5.00	4.75	4.88	0.04	2.93			
	90.00	105.00		1	15.00	4.75	4.70	4.73	0.04	2.84			
	105.00	120.00		1	15.00	4.70	4.70	4.70	0.04	2.82			
	120.00	135.00		1	15.00	4.70	4.60	4.65	0.04	2.79			
	135.00	150.00		1	15.00	4.60	6.00	5.30	0.04	3.18			
	150.00	153.50		1	3.50	6.00	4.60	5.30	0.04	0.74			
	153.50	165.00		1	11.50	4.60	4.55	4.58	0.04	2.10			
	165.00	180.00		1	15.00	4.55	4.40	4.48	0.04	2.69			
	180.00	195.00		1	15.00	4.40	5.00	4.70	0.04	2.82			
	195.00	210.00		1	15.00	5.00	4.30	4.65	0.04	2.79			
	210.00	225.00		1	15.00	4.30	4.20	4.25	0.04	2.55			
	225.00	240.00		1	15.00	4.20	4.60	4.40	0.04	2.64			
	240.00	255.00		1	15.00	4.60	4.40	4.50	0.04	2.70			
	255.00	270.00		1	15.00	4.40	4.90	4.65	0.04	2.79			
	270.00	285.50		1	15.50	4.90	4.90	4.90	0.04	3.04			
	285.50	287.00		1	1.50	4.90	6.40	5.65	0.04	0.34			
	Kuvempu Badavane Mn Rd												
	Agrahara Mn rd to 3rd Main Kuvempu Layout												
	0.00	3.00		1	3.00	9.00	7.00	8.00	0.04	0.96			
	3.00	4.00		1	1.00	7.00	5.40	6.20	0.04	0.25			
	4.00	15.00		1	11.00	5.40	4.90	5.15	0.04	2.27			
	15.00	32.00		1	17.00	4.90	6.00	5.45	0.04	3.71			
	32.00	34.50		1	2.50	6.00	5.00	5.50	0.04	0.55			
	34.50	50.00		1	15.50	5.00	4.85	4.93	0.04	3.05			
	50.00	60.00		1	10.00	4.85	5.00	4.93	0.04	1.97			
	60.00	75.00		1	15.00	5.00	4.75	4.88	0.04	2.93			
	75.00	89.60		1	14.60	4.75	4.75	4.75	0.04	2.77			
	89.60	94.50		0	4.90	0.00	0.00	0.00	0.04	0.00			
	94.50	110.00		1	15.50	5.35	5.35	5.35	0.04	3.32			
	110.00	121.00		1	11.00	5.35	5.45	5.40	0.04	2.38			
	Manjunatha Layout rd												
	Agrahara Mn rd to 3rd Cross Manjunatha Layout												
	0.00	5.00		1	5.00	10.15	6.20	8.18	0.04	1.64			
	5.00	7.00		1	2.00	6.20	5.00	5.60	0.04	0.45			
	7.00	15.00		1	8.00	5.00	5.00	5.00	0.04	1.60			
	15.00	30.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	30.00	33.00		1	3.00	5.00	5.70	5.35	0.04	0.64			
	33.00	40.00		1	7.00	5.70	5.25	5.48	0.04	1.53			
	40.00	45.00		1	5.00	5.25	5.20	5.23	0.04	1.05			
	45.00	60.00		1	15.00	5.20	4.85	5.03	0.04	3.02			
	60.00	75.00		1	15.00	4.85	4.65	4.75	0.04	2.85			
	75.00	90.00		1	15.00	4.65	4.70	4.68	0.04	2.81			
	90.00	105.00		1	15.00	4.70	4.90	4.80	0.04	2.88			
	105.00	120.00		1	15.00	4.90	5.00	4.95	0.04	2.97			
	120.00	122.50		1	2.50	5.00	5.00	5.00	0.04	0.50			
	17th Cross Road (Connected to GKVK Double Road)												
	0.00	15.00		1	15.00	5.10	5.20	5.15	0.04	3.09			
	15.00	30.00		1	15.00	5.20	5.00	5.10	0.04	3.06			
	30.00	45.00		1	15.00	5.00	5.10	5.05	0.04	3.03			
	45.00	48.00		1	3.00	5.10	4.90	5.00	0.04	0.60			

25/6/22

25/6/22

25/6/22

Tejus Consultants

BENAKA DEVELOPERS & CONSULTANTS PVT LTD BANGALORE

Assistant Engineer

Assistant Executive Engineer

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Detailed Measurements

Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	1st Cross in Manjunatha layout												
	Connected to Manjunatha Layout Mn Rd												
	0.00	15.00		1	15.00	5.30	5.40	5.35	0.04	3.21			
	15.00	30.00		1	15.00	5.40	5.10	5.25	0.04	3.15			
	30.00	45.00		1	15.00	5.10	5.30	5.20	0.04	3.12			
	45.00	55.20		1	10.20	5.30	5.25	5.28	0.04	2.15			
	Manhole Deductions												
				-2			0.64		0.04	-0.05			
	3rd Cross in Manjunatha layout												
	Connected to Manjunatha Layout Mn Rd												
	0.00	1.50		1	1.50	7.20	5.40	6.30	0.04	0.38			
	1.50	15.00		1	13.50	5.40	5.15	5.28	0.04	2.85			
	15.00	30.00		1	15.00	5.15	5.15	5.15	0.04	3.09			
	30.00	39.00		1	9.00	5.15	4.40	4.78	0.04	1.72			
	39.00	49.00		1	10.00	4.40	5.10	4.75	0.04	1.90			
	49.00	60.20		1	11.20	5.10	5.10	5.10	0.04	2.28			
	Manhole Deductions												
				-2			0.64		0.04	-0.05			
	Muneshwaraswamy Temple Opp.Rd												
	(Beside Appaji Café)												
	0.00	3.00		1	3.00	6.00	5.60	5.80	0.04	0.70			
	3.00	6.00		1	3.00	5.60	4.40	5.00	0.04	0.60			
	6.00	15.00		1	9.00	4.40	4.20	4.30	0.04	1.55			
	15.00	30.00		1	15.00	4.20	4.35	4.28	0.04	2.57			
	30.00	45.00		1	15.00	4.35	4.45	4.40	0.04	2.64			
	45.00	60.00		1	15.00	4.45	4.50	4.48	0.04	2.69			
	60.00	75.00		1	15.00	4.50	4.40	4.45	0.04	2.67			
	75.00	90.00		1	15.00	4.40	4.55	4.48	0.04	2.69			
	90.00	102.80		1	12.80	4.55	4.40	4.48	0.04	2.29			
	102.80	125.00		1	22.20	4.40	4.00	4.20	0.04	3.73			
	Manhole Deductions												
				-1			0.64		0.04	-0.03			
	Balajikrupa Layouts												
	Balajikrupa Layout Main Road												
	0.00	15.00		1	15.00	6.30	6.00	6.15	0.04	3.69			
	15.00	30.00		1	15.00	6.00	8.80	7.40	0.04	4.44			
	30.00	45.00		1	15.00	8.80	8.00	8.40	0.04	5.04			
	45.00	60.00		1	15.00	8.00	7.20	7.60	0.04	4.56			
	60.00	75.00		1	15.00	7.20	7.30	7.25	0.04	4.35			
	75.00	90.00		1	15.00	7.30	6.80	7.05	0.04	4.23			
	90.00	105.00		1	15.00	6.80	7.10	6.95	0.04	4.17			
	105.00	120.00		1	15.00	7.10	7.05	7.08	0.04	4.25			
	120.00	135.00		1	15.00	7.05	8.00	7.53	0.04	4.52			
	135.00	150.00		1	15.00	8.00	8.45	8.23	0.04	4.94			
	150.00	165.00		1	15.00	8.45	8.00	8.23	0.04	4.94			
	165.00	180.00		1	15.00	8.00	8.15	8.08	0.04	4.85			
	180.00	195.00		1	15.00	8.15	8.20	8.18	0.04	4.91			
	195.00	210.00		1	15.00	8.20	9.00	8.60	0.04	5.16			
	210.00	225.00		1	15.00	9.00	8.90	8.95	0.04	5.37			
	225.00	240.00		1	15.00	8.90	9.20	9.05	0.04	5.43			
	240.00	255.00		1	15.00	9.20	8.80	9.00	0.04	5.40			
	255.00	270.00		1	15.00	8.80	9.00	8.90	0.04	5.34			
	270.00	285.00		1	15.00	9.00	8.90	8.95	0.04	5.37			
	285.00	300.00		1	15.00	8.90	8.80	8.85	0.04	5.31			
	300.00	315.00		1	15.00	8.80	9.20	9.00	0.04	5.40			
	315.00	331.00		1	16.00	9.20	8.90	9.05	0.04	5.79			

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Detailed Measurements

Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	Balajikrupa Layouts												
	1st cross Road												
	0.00	15.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	15.00	30.00		1	15.00	5.00	5.20	5.10	0.04	3.06			
	30.00	45.00		1	15.00	5.20	5.35	5.28	0.04	3.17			
	45.00	60.00		1	15.00	5.35	5.80	5.58	0.04	3.35			
	60.00	75.00		1	15.00	5.80	4.80	5.30	0.04	3.18			
	75.00	90.00		1	15.00	4.80	5.20	5.00	0.04	3.00			
	90.00	94.50		1	4.50	5.20	6.00	5.60	0.04	1.01			
	94.50	102.00		0	7.50	0.00	0.00	0.00	0.04	0.00			
	102.00	120.00		1	18.00	6.15	5.10	5.63	0.04	4.05			
	120.00	135.00		1	15.00	5.10	5.00	5.05	0.04	3.03			
	135.00	150.00		1	15.00	5.00	5.10	5.05	0.04	3.03			
	150.00	165.00		1	15.00	5.10	5.25	5.18	0.04	3.11			
	165.00	180.00		1	15.00	5.25	5.00	5.13	0.04	3.08			
	180.00	195.00		1	15.00	5.00	4.40	4.70	0.04	2.82			
	195.00	210.00		1	15.00	4.40	4.60	4.50	0.04	2.70			
	210.00	225.00		1	15.00	4.60	4.40	4.50	0.04	2.70			
	225.00	240.00		1	15.00	4.40	5.00	4.70	0.04	2.82			
	240.00	250.00		1	10.00	5.00	5.00	5.00	0.04	2.00			
	2nd cross Road												
	0.00	15.00		1	15.00	5.20	4.40	4.80	0.04	2.88			
	15.00	30.00		1	15.00	4.40	5.15	4.78	0.04	2.87			
	30.00	45.00		1	15.00	5.15	4.80	4.98	0.04	2.99			
	45.00	60.00		1	15.00	4.80	5.10	4.95	0.04	2.97			
	60.00	75.00		1	15.00	5.10	5.50	5.30	0.04	3.18			
	75.00	90.00		1	15.00	5.50	4.60	5.05	0.04	3.03			
	90.00	105.00		1	15.00	4.60	4.40	4.50	0.04	2.70			
	105.00	120.00		1	15.00	4.40	5.20	4.80	0.04	2.88			
	120.00	135.00		1	15.00	5.20	5.10	5.15	0.04	3.09			
	135.00	143.00		1	8.00	5.10	5.20	5.15	0.04	1.65			
	143.00	152.50		0	9.50	0.00	0.00	0.00	0.04	0.00			
	152.50	155.50		1	3.00	5.40	4.70	5.05	0.04	0.61			
	155.50	170.50		1	15.00	4.70	4.60	4.65	0.04	2.79			
	170.50	185.50		1	15.00	4.60	4.50	4.55	0.04	2.73			
	185.50	200.50		1	15.00	4.50	5.40	4.95	0.04	2.97			
	200.50	215.50		1	15.00	5.40	5.10	5.25	0.04	3.15			
	215.50	230.50		1	15.00	5.10	4.40	4.75	0.04	2.85			
	230.50	245.50		1	15.00	4.40	4.55	4.48	0.04	2.69			
	245.50	260.50		1	15.00	4.55	5.30	4.93	0.04	2.96			
	260.50	275.50		1	15.00	5.30	4.80	5.05	0.04	3.03			
	275.50	290.50		1	15.00	4.80	5.45	5.13	0.04	3.08			
	290.50	302.50		1	12.00	5.45	4.80	5.13	0.04	2.46			
	3rd cross Road												
	0.00	15.00		1	15.00	5.40	5.20	5.30	0.04	3.18			
	15.00	30.00		1	15.00	5.20	4.70	4.95	0.04	2.97			
	30.00	45.00		1	15.00	4.70	5.10	4.90	0.04	2.94			
	45.00	60.00		1	15.00	5.10	5.20	5.15	0.04	3.09			
	60.00	75.00		1	15.00	5.20	5.10	5.15	0.04	3.09			
	75.00	90.00		1	15.00	5.10	4.55	4.83	0.04	2.90			
	90.00	105.00		1	15.00	4.55	5.10	4.83	0.04	2.90			
	105.00	120.00		1	15.00	5.10	4.25	4.68	0.04	2.81			
	120.00	135.00		1	15.00	4.25	5.15	4.70	0.04	2.82			
	135.00	145.80		1	10.80	5.15	5.20	5.18	0.04	2.24			
	145.80	155.00		0	9.20	0.00	0.00	0.00	0.04	0.00			
	155.00	165.00		1	10.00	5.00	5.25	5.13	0.04	2.05			
	165.00	180.00		1	15.00	5.25	5.35	5.30	0.04	3.18			
	180.00	195.00		1	15.00	5.35	5.00	5.18	0.04	3.11			

6/7/22

Tejus Consultants

BENAKA DEVELOPERS AND PVT LTD BANGALORE

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	195.00	210.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	210.00	225.00		1	15.00	5.00	4.90	4.95	0.04	2.97			
	225.00	240.00		1	15.00	4.90	5.35	5.13	0.04	3.08			
	240.00	255.00		1	15.00	5.35	5.00	5.18	0.04	3.11			
	255.00	270.00		1	15.00	5.00	5.10	5.05	0.04	3.03			
	270.00	285.00		1	15.00	5.10	5.00	5.05	0.04	3.03			
	285.00	300.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	300.00	303.20		1	3.20	5.00	5.00	5.00	0.04	0.64			
	4th cross Road												
	0.00	15.00		1	15.00	5.80	5.90	5.85	0.04	3.51			
	15.00	30.00		1	15.00	5.90	5.25	5.58	0.04	3.35			
	30.00	45.00		1	15.00	5.25	5.80	5.53	0.04	3.32			
	45.00	60.00		1	15.00	5.80	5.90	5.85	0.04	3.51			
	60.00	75.00		1	15.00	5.90	5.00	5.45	0.04	3.27			
	75.00	90.00		1	15.00	5.00	5.40	5.20	0.04	3.12			
	90.00	105.00		1	15.00	5.40	5.30	5.35	0.04	3.21			
	105.00	120.00		1	15.00	5.30	5.00	5.15	0.04	3.09			
	120.00	135.00		1	15.00	5.00	5.10	5.05	0.04	3.03			
	135.00	148.00		1	13.00	5.10	5.50	5.30	0.04	2.76			
	148.00	156.50		0	8.50	0.00	0.00	0.00	0.04	0.00			
	156.50	160.00		1	3.50	5.60	5.00	5.30	0.04	0.74			
	160.00	175.00		1	15.00	5.00	4.90	4.95	0.04	2.97			
	175.00	190.00		1	15.00	4.90	4.45	4.68	0.04	2.81			
	190.00	205.00		1	15.00	4.45	4.40	4.43	0.04	2.66			
	205.00	220.00		1	15.00	4.40	5.00	4.70	0.04	2.82			
	220.00	235.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	235.00	250.00		1	15.00	5.00	4.65	4.83	0.04	2.90			
	250.00	265.00		1	15.00	4.65	5.00	4.83	0.04	2.90			
	265.00	275.00		1	10.00	5.00	5.00	5.00	0.04	2.00			
	275.00	290.00		1	15.00	5.00	5.15	5.08	0.04	3.05			
	290.00	306.00		1	16.00	5.15	5.40	5.28	0.04	3.38			
	5th cross Road												
	0.00	3.00		1	3.00	6.40	5.70	6.05	0.04	0.73			
	3.00	15.00		1	12.00	5.70	6.20	5.95	0.04	2.86			
	15.00	30.00		1	15.00	6.20	5.80	6.00	0.04	3.60			
	30.00	45.00		1	15.00	5.80	4.90	5.35	0.04	3.21			
	45.00	60.00		1	15.00	4.90	5.20	5.05	0.04	3.03			
	60.00	75.00		1	15.00	5.20	5.60	5.40	0.04	3.24			
	75.00	105.00		1	30.00	5.60	5.45	5.53	0.04	6.63			
	105.00	120.00		1	15.00	5.45	6.00	5.73	0.04	3.44			
	120.00	135.00		1	15.00	6.00	5.00	5.50	0.04	3.30			
	135.00	150.80		1	15.80	5.00	5.65	5.33	0.04	3.37			
	150.80	158.60		0	7.80	0.00	0.00	0.00	0.04	0.00			
	158.60	161.00		1	2.40	5.40	4.60	5.00	0.04	0.48			
	161.00	175.00		1	14.00	4.60	5.80	5.20	0.04	2.91			
	175.00	190.00		1	15.00	5.80	5.50	5.65	0.04	3.39			
	190.00	194.00		1	4.00	5.50	6.50	6.00	0.04	0.96			
	194.00	199.00		1	5.00	6.50	5.80	6.15	0.04	1.23			
	199.00	205.00		1	6.00	5.80	5.60	5.70	0.04	1.37			
	205.00	220.00		1	15.00	5.60	5.90	5.75	0.04	3.45			
	220.00	235.00		1	15.00	5.90	5.00	5.45	0.04	3.27			
	235.00	250.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	250.00	265.00		1	15.00	5.00	5.40	5.20	0.04	3.12			
	265.00	280.00		1	15.00	5.40	5.10	5.25	0.04	3.15			
	280.00	295.00		1	15.00	5.10	5.10	5.10	0.04	3.06			
	295.00	305.00		1	10.00	5.10	6.10	5.60	0.04	2.24			
	305.00	308.70		1	3.70	6.10	5.80	5.95	0.04	0.88			

15/2/20

TEJUS CONSULTANTS

Tejus Consultants

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	6th cross Road												
	0.00	10.00		1	10.00	4.70	5.50	5.10	0.04	2.04			
	10.00	15.00		1	5.00	5.50	5.50	5.50	0.04	1.10			
	15.00	30.00		1	15.00	5.50	5.00	5.25	0.04	3.15			
	30.00	45.00		1	15.00	5.00	5.75	5.38	0.04	3.23			
	45.00	60.00		1	15.00	5.75	5.60	5.68	0.04	3.41			
	60.00	75.00		1	15.00	5.60	5.40	5.50	0.04	3.30			
	75.00	90.00		1	15.00	5.40	5.60	5.50	0.04	3.30			
	90.00	103.00		1	13.00	5.60	5.60	5.60	0.04	2.91			
	103.00	105.00		1	2.00	5.60	7.40	6.50	0.04	0.52			
	105.00	112.50		0	7.50	0.00	0.00	0.00	0.04	0.00			
	112.50	114.00		1	1.50	6.10	5.50	5.80	0.04	0.35			
	114.00	125.00		1	11.00	5.50	5.00	5.25	0.04	2.31			
	125.00	140.00		1	15.00	5.00	4.80	4.90	0.04	2.94			
	140.00	155.00		1	15.00	4.80	5.20	5.00	0.04	3.00			
	155.00	170.00		1	15.00	5.20	5.20	5.20	0.04	3.12			
	170.00	185.00		1	15.00	5.20	5.10	5.15	0.04	3.09			
	185.00	200.00		1	15.00	5.10	5.10	5.10	0.04	3.06			
	200.00	215.00		1	15.00	5.10	5.15	5.13	0.04	3.08			
	215.00	230.00		1	15.00	5.15	4.90	5.03	0.04	3.02			
	230.00	245.00		1	15.00	4.90	5.45	5.18	0.04	3.11			
	245.00	261.50		1	16.50	5.45	5.50	5.48	0.04	3.61			
	7th cross Road												
	0.00	15.00		1	15.00	5.20	5.50	5.35	0.04	3.21			
	15.00	30.00		1	15.00	5.50	5.10	5.30	0.04	3.18			
	30.00	45.00		1	15.00	5.10	5.40	5.25	0.04	3.15			
	45.00	60.00		1	15.00	5.40	4.80	5.10	0.04	3.06			
	60.00	75.00		1	15.00	4.80	5.20	5.00	0.04	3.00			
	75.00	90.00		1	15.00	5.20	5.50	5.35	0.04	3.21			
	90.00	105.00		1	15.00	5.50	5.70	5.60	0.04	3.36			
	105.00	120.00		1	15.00	5.70	5.60	5.65	0.04	3.39			
	120.00	135.00		1	15.00	5.60	5.00	5.30	0.04	3.18			
	135.00	137.00		1	2.00	5.00	3.80	4.40	0.04	0.35			
	137.00	146.00		0	9.00	0.00	0.00	0.00	0.04	0.00			
	146.00	161.00		1	15.00	6.10	5.50	5.80	0.04	3.48			
	161.00	176.00		1	15.00	5.50	5.30	5.40	0.04	3.24			
	176.00	191.00		1	15.00	5.30	5.35	5.33	0.04	3.20			
	191.00	206.00		1	15.00	5.35	5.65	5.50	0.04	3.30			
	206.00	221.00		1	15.00	5.65	5.30	5.48	0.04	3.29			
	221.00	236.00		1	15.00	5.30	5.00	5.15	0.04	3.09			
	236.00	251.00		1	15.00	5.00	4.90	4.95	0.04	2.97			
	251.00	266.00		1	15.00	4.90	4.80	4.85	0.04	2.91			
	266.00	281.00		1	15.00	4.80	5.30	5.05	0.04	3.03			
	281.00	296.00		1	15.00	5.30	5.80	5.55	0.04	3.33			
	296.00	306.00		1	10.00	5.80	5.50	5.65	0.04	2.26			
	8th cross Road												
	0.00	15.00		1	15.00	6.60	6.40	6.50	0.04	3.90			
	15.00	30.00		1	15.00	6.40	6.10	6.25	0.04	3.75			
	30.00	45.00		1	15.00	6.10	6.20	6.15	0.04	3.69			
	45.00	60.00		1	15.00	6.20	5.70	5.95	0.04	3.57			
	60.00	75.00		1	15.00	5.70	6.15	5.93	0.04	3.56			
	75.00	90.00		1	15.00	6.15	4.80	5.48	0.04	3.29			
	90.00	105.00		1	15.00	4.80	5.10	4.95	0.04	2.97			
	105.00	120.00		1	15.00	5.10	5.30	5.20	0.04	3.12			
	120.00	135.00		1	15.00	5.30	5.50	5.40	0.04	3.24			
	135.00	149.30		1	14.30	5.50	5.50	5.50	0.04	3.15			

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	9th cross Road												
	0.00	15.00		1	15.00	6.10	5.10	5.60	0.04	3.36			
	15.00	30.00		1	15.00	5.10	5.20	5.15	0.04	3.09			
	30.00	45.00		1	15.00	5.20	5.70	5.45	0.04	3.27			
	45.00	60.00		1	15.00	5.70	5.15	5.43	0.04	3.26			
	60.00	75.00		1	15.00	5.15	5.00	5.08	0.04	3.05			
	75.00	90.00		1	15.00	5.00	5.80	5.40	0.04	3.24			
	90.00	105.00		1	15.00	5.80	6.00	5.90	0.04	3.54			
	105.00	120.00		1	15.00	6.00	5.25	5.63	0.04	3.38			
	120.00	135.00		1	15.00	5.25	5.20	5.23	0.04	3.14			
	135.00	139.50		1	4.50	5.20	5.40	5.30	0.04	0.95			
	139.50	147.50		0	8.00	0.00	0.00	0.00	0.04	0.00			
	147.50	162.00		1	14.50	3.60	3.80	3.70	0.04	2.15			
	162.00	177.00		1	15.00	3.80	4.20	4.00	0.04	2.40			
	177.00	192.00		1	15.00	4.20	3.50	3.85	0.04	2.31			
	192.00	207.00		1	15.00	3.50	3.80	3.65	0.04	2.19			
	207.00	222.00		1	15.00	3.80	3.70	3.75	0.04	2.25			
	222.00	237.00		1	15.00	3.70	3.90	3.80	0.04	2.28			
	237.00	252.00		1	15.00	3.90	3.60	3.75	0.04	2.25			
	252.00	267.00		1	15.00	3.60	3.50	3.55	0.04	2.13			
	267.00	285.90		1	18.90	3.50	4.00	3.75	0.04	2.84			
	10th cross Road												
	0.00	7.00		1	7.00	6.70	5.40	6.05	0.04	1.69			
	7.00	15.00		1	8.00	5.40	5.40	5.40	0.04	1.73			
	15.00	30.00		1	15.00	5.40	5.60	5.50	0.04	3.30			
	30.00	45.00		1	15.00	5.60	5.10	5.35	0.04	3.21			
	45.00	60.00		1	15.00	5.10	5.55	5.33	0.04	3.20			
	60.00	75.00		1	15.00	5.55	5.35	5.45	0.04	3.27			
	75.00	84.00		1	9.00	5.35	5.45	5.40	0.04	1.94			
	84.00	91.80		0	7.80	0.00	0.00	0.00	0.04	0.00			
	91.80	110.00		1	18.20	5.90	4.80	5.35	0.04	3.89			
	110.00	125.00		1	15.00	4.80	5.05	4.93	0.04	2.96			
	125.00	140.00		1	15.00	5.05	5.40	5.23	0.04	3.14			
	140.00	155.00		1	15.00	5.40	6.00	5.70	0.04	3.42			
	155.00	170.00		1	15.00	6.00	5.40	5.70	0.04	3.42			
	170.00	185.00		1	15.00	5.40	5.80	5.60	0.04	3.36			
	185.00	200.00		1	15.00	5.80	5.70	5.75	0.04	3.45			
	200.00	215.00		1	15.00	5.70	5.10	5.40	0.04	3.24			
	215.00	230.00		1	15.00	5.10	5.60	5.35	0.04	3.21			
	230.00	241.30		1	11.30	5.60	5.70	5.65	0.04	2.55			
	11th cross Road												
	0.00	15.00		1	15.00	6.10	4.85	5.48	0.04	3.29			
	15.00	30.00		1	15.00	4.85	5.70	5.28	0.04	3.17			
	30.00	45.00		1	15.00	5.70	5.65	5.68	0.04	3.41			
	45.00	60.00		1	15.00	5.65	5.30	5.48	0.04	3.29			
	60.00	75.00		1	15.00	5.30	5.55	5.43	0.04	3.26			
	75.00	90.00		1	15.00	5.55	5.00	5.28	0.04	3.17			
	90.00	105.00		1	15.00	5.00	4.80	4.90	0.04	2.94			
	105.00	120.00		1	15.00	4.80	5.20	5.00	0.04	3.00			
	120.00	135.00		1	15.00	5.20	5.10	5.15	0.04	3.09			
	135.00	150.00		1	15.00	5.10	5.10	5.10	0.04	3.06			
	150.00	165.00		1	15.00	5.10	5.00	5.05	0.04	3.03			
	165.00	180.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	180.00	195.00		1	15.00	5.00	5.15	5.08	0.04	3.05			
	195.00	210.00		1	15.00	5.15	5.00	5.08	0.04	3.05			
	210.00	225.00		1	15.00	5.00	4.50	4.75	0.04	2.85			

15/7/22

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	225.00	235.50		1	10.50	4.50	5.00	4.75	0.04	2.00			
	Emera Land 1st cross Road												
	0.00	2.00		1	2.00	6.40	4.30	5.35	0.04	0.43			
	2.00	7.50		1	5.50	4.30	2.80	3.55	0.04	0.78			
	7.50	14.50		1	7.00	2.80	4.80	3.80	0.04	1.06			
	14.50	17.30		1	2.80	4.80	2.80	3.80	0.04	0.43			
	17.30	30.00		1	12.70	2.80	4.50	3.65	0.04	1.85			
	30.00	45.00		1	15.00	4.50	4.75	4.63	0.04	2.78			
	45.00	60.00		1	15.00	4.75	4.95	4.85	0.04	2.91			
	60.00	75.00		1	15.00	4.95	4.45	4.70	0.04	2.82			
	75.00	90.00		1	15.00	4.45	4.40	4.43	0.04	2.66			
	90.00	105.00		1	15.00	4.40	4.75	4.58	0.04	2.75			
	105.00	120.00		1	15.00	4.75	4.60	4.68	0.04	2.81			
	120.00	135.00		1	15.00	4.60	4.60	4.60	0.04	2.76			
	135.00	150.00		1	15.00	4.60	4.35	4.48	0.04	2.69			
	150.00	165.00		1	15.00	4.35	4.90	4.63	0.04	2.78			
	165.00	180.00		1	15.00	4.90	5.00	4.95	0.04	2.97			
	180.00	195.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	195.00	210.00		1	15.00	5.00	4.60	4.80	0.04	2.88			
	210.00	225.00		1	15.00	4.60	4.50	4.55	0.04	2.73			
	225.00	239.00		1	14.00	4.50	4.45	4.48	0.04	2.51			
	Connected to 10th cross and Emera land Road												
	0.00	6.70		1	6.70	2.90	5.20	4.05	0.04	1.09			
	6.70	11.00		1	4.30	5.20	3.20	4.20	0.04	0.72			
	11.00	21.50		1	10.50	3.20	4.60	3.90	0.04	1.64			
	21.50	39.00		1	17.50	4.60	4.50	4.55	0.04	3.19			
	Thirumenahalli Surroundings												
	Vidhanasoudha Layout (Arch to Water Tank)												
	0.00	15.00		1	15.00	5.60	5.30	5.45	0.04	3.27			
	15.00	30.00		1	15.00	5.30	5.00	5.15	0.04	3.09			
	30.00	45.00		1	15.00	5.00	5.10	5.05	0.04	3.03			
	45.00	60.00		1	15.00	5.10	5.30	5.20	0.04	3.12			
	60.00	75.00		1	15.00	5.30	5.20	5.25	0.04	3.15			
	75.00	90.00		1	15.00	5.20	5.10	5.15	0.04	3.09			
	90.00	105.00		1	15.00	5.10	5.20	5.15	0.04	3.09			
	105.00	120.00		1	15.00	5.20	5.30	5.25	0.04	3.15			
	120.00	135.00		1	15.00	5.30	5.20	5.25	0.04	3.15			
	135.00	150.00		1	15.00	5.20	6.70	5.95	0.04	3.57			
	150.00	165.00		1	15.00	6.70	6.00	6.35	0.04	3.81			
	165.00	175.00		1	10.00	6.00	6.00	6.00	0.04	2.40			
	Hotel Multitech INN Road @ Thirumenahalli Main Road												
	0.00	15.00		1	15.00	6.30	6.40	6.35	0.04	3.81			
	15.00	30.00		1	15.00	6.40	6.50	6.45	0.04	3.87			
	30.00	45.00		1	15.00	6.50	6.25	6.38	0.04	3.83			
	45.00	60.00		1	15.00	6.25	6.30	6.28	0.04	3.77			
	60.00	75.00		1	15.00	6.30	6.30	6.30	0.04	3.78			
	75.00	88.00		1	13.00	6.30	6.20	6.25	0.04	3.25			
	Hotel Shree Sai Darshini Opp. Road @ Thirumenahalli Gov't School												
	0.00	15.00		1	15.00	6.00	5.70	5.85	0.04	3.51			
	15.00	30.00		1	15.00	5.70	5.50	5.60	0.04	3.36			
	30.00	45.00		1	15.00	5.50	5.60	5.55	0.04	3.33			
	45.00	55.00		1	10.00	5.60	5.00	5.30	0.04	2.12			
	55.00	73.00		1	18.00	5.00	5.40	5.20	0.04	3.74			

128.48

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

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Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	73.00	82.00		1	9.00	5.40	4.40	4.90	0.04	1.76			
	82.00	89.50		1	7.50	4.40	4.40	4.40	0.04	1.32			
	6th Cross Road connected to Thirumenahalli Gov't School												
	0.00	15.00		1	15.00	5.70	6.00	5.85	0.04	3.51			
	15.00	30.00		1	15.00	6.00	5.80	5.90	0.04	3.54			
	30.00	45.00		1	15.00	5.80	5.10	5.45	0.04	3.27			
	45.00	60.00		1	15.00	5.10	5.50	5.30	0.04	3.18			
	60.00	75.00		1	15.00	5.50	6.40	5.95	0.04	3.57			
	75.00	84.80		1	9.80	6.40	6.40	6.40	0.04	2.51			
	Sri Lakhmi Venkateshwara PG Rd @ Thirumenahalli(Lucky bakery Beside Rd)												
	0.00	15.00		1	15.00	5.90	6.10	6.00	0.04	3.60			
	15.00	30.00		1	15.00	6.10	6.20	6.15	0.04	3.69			
	30.00	45.00		1	15.00	6.20	6.20	6.20	0.04	3.72			
	45.00	60.00		1	15.00	6.20	6.10	6.15	0.04	3.69			
	60.00	75.00		1	15.00	6.10	6.70	6.40	0.04	3.84			
	75.00	82.00		1	7.00	6.70	7.00	6.85	0.04	1.92	43.12		
								Total Quantity		1087.57	Cum	8613.76	93,68,085.00
19	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per Sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)												
	Balaji badavane												
	Edge Line			2	49.50			0.10		9.90			
	Centre Line			0.50	49.50			0.10		2.48			
	Connected 4th A to 4th B												
	Edge Line			2	37.00			0.10		7.40			
	Centre Line			0.50	37.00			0.10		1.85			
	4th A in Balaji Badavane												
	Edge Line			2	113.00			0.10		22.60			
	Centre Line			0.50	113.00			0.10		5.65			
	4th B in Balaji Badavane												
	Edge Line			2	116.50			0.10		23.30			
	Centre Line			0.50	116.50			0.10		5.83			
	2nd Main Rd Kuvempu layout												
	Agrahara Layout Mn rd to manjunatha Mn Rd												
	Edge Line			2	287.00			0.10		57.40			
	Centre Line			0.50	287.00			0.10		14.35			
	Agrahara Mn rd to 3rd Main Kuvempu Layout												
	Edge Line			2	116.10			0.10		23.22			
	Centre Line			0.50	116.10			0.10		5.81			
	Manjunatha Layout rd												
	Agrahara Mn rd to 3rd Cross Manjunatha Layout												
	Edge Line			2	122.50			0.10		24.50			
	Centre Line			0.50	122.50			0.10		6.13			
	17th Cross Road (Connected to GKVK Double Road)												
	Edge Line			2	48.00			0.10		9.60			
	Centre Line			0.50	48.00			0.10		2.40			
	1st Cross to Manjunatha layout												

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

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Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	Connected to Manjunatha Layout Mn Rd											
	Edge Line		2	55.20			0.10		11.04			
	Centre Line		0.50	55.20			0.10		2.76			
	3rd Cross in Manjunatha layout											
	Connected to Manjunatha Layout Mn Rd											
	Edge Line		2	60.20			0.10		12.04			
	Centre Line		0.50	60.20			0.10		3.01			
	Muneshwaraswamy Temple Opp.Rd											
	(Beside Appaji Café)											
	Edge Line		2	125.00			0.10		25.00			
	Centre Line		0.50	125.00			0.10		6.25			
	Balajikrupa Layouts											
	1st cross Road											
	Edge Line		2	242.50			0.10		48.50			
	Centre Line		0.50	242.50			0.10		12.13			
	2nd cross Road											
	Edge Line		2	293.00			0.10		58.60			
	Centre Line		0.50	293.00			0.10		14.65			
	3rd cross Road											
	Edge Line		2	294.00			0.10		58.80			
	Centre Line		0.50	294.00			0.10		14.70			
	4th cross Road											
	Edge Line		2	297.50			0.10		59.50			
	Centre Line		0.50	297.50			0.10		14.88			
	5th cross Road											
	Edge Line		2	300.90			0.10		60.18			
	Centre Line		0.50	300.90			0.10		15.05			
	6th cross Road											
	Edge Line		2	254.00			0.10		50.80			
	Centre Line		0.50	254.00			0.10		12.70			
	7th cross Road											
	Edge Line		2	297.00			0.10		59.40			
	Centre Line		0.50	297.00			0.10		14.85			
	8th cross Road											
	Edge Line		2	149.30			0.10		29.86			
	Centre Line		0.50	149.30			0.10		7.47			
	9th cross Road											
	Edge Line		2	277.90			0.10		55.58			
	Centre Line		0.50	277.90			0.10		13.90			
	10th cross Road											
	Edge Line		2	233.50			0.10		46.70			
	Centre Line		0.50	233.50			0.10		11.68			
	11th cross Road											
	Edge Line		2	235.50			0.10		47.10			
	Centre Line		0.50	235.50			0.10		11.78			
	Emera Land 1st cross Road											
	Edge Line		2	239.00			0.10		47.80			
	Centre Line		0.50	239.00			0.10		11.95			
	Thirumenahalli Surroundings											
	Vidhanasoudha Layout (Arch to Water Tank)											
	Edge Line		2	175.00			0.10		35.00			
	Centre Line		0.50	175.00			0.10		8.75			
	Hotel Multitech INN Road @ Thirumenahalli Main Road											
	Edge Line		2	88.00			0.10		17.60			
	Centre Line		0.50	88.00			0.10		4.40			
	Hotel Shree Sai Darshini Opp. Road @ Thirumenahalli Gov't School											

Tejus Consultants

BENAVA DEVELOPERS & CONSULTANTS PVT LTD BANGALORE

Asst. Exe. Engineer 20/7/22

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	Edge Line		2	89.50			0.10		17.90			
	Centre Line		0.50	89.50			0.10		4.48			
	6th Cross Road connected to Thirumenahalli Gov't School											
	Edge Line		2	84.80			0.10		16.96			
	Centre Line		0.50	84.80			0.10		4.24			
	Sri Lakhmi Venkateshwara PG Rd @ Thirumenahalli(Lucky bakery Beside Rd)											
	Edge Line		2	82.00			0.10		16.40			
	Centre Line		0.50	82.00			0.10		4.10	59.98		
							Total Quantity		1190.85	Sqm	458.00	5,45,409.00
20	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. . MORTH V Revision Specification No. 601, IS 456 Table-5. with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver .((P.No.174, I.No.22.1.2 of PW,P&IWTD SR 2018-19)											
Measurements recorded on												
	Qty vide Pre measurement sheet page no . 36.											
							Total Quantity		156.58	Cum	3730.00	5,84,037.00
21	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials,											
	Concrete Pavement											
	1st Block 5th street connecting road to Tirumenahalli Road											
	0.00	7.00		1	7.00	6.10	5.40	5.75	0.15	6.04		
	1.50	17.00		1	15.50	5.40	2.50	3.95	0.15	9.18		
	10.00	30.70		1	20.70	2.50	2.60	2.55	0.15	7.92		
	Manhole Deductions											
	MH-1			-1			2.01		0.15	-0.30	1.6 dia	
	3rd Block 5th c/s Tirumenahalli Road											
	0.00	15.00		1	15.00	5.00	4.75	4.88	0.15	10.97		
	15.00	30.00		1	15.00	4.75	4.60	4.68	0.15	10.52		
	30.00	45.00		1	15.00	4.60	4.55	4.58	0.15	10.29		
	45.00	60.00		1	15.00	4.55	4.60	4.58	0.15	10.29		

Tejus Consultants

BENAKA DEVELOPERS AND CONSULTANTS PVT. LTD. BANGALORE

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	60.00	71.50		1	11.50	4.60	4.60	4.60	0.15	7.94			
	Manhole Deductions												
				-3			2.01		0.15	-0.90	1.6 dia		
	3rd Block 6th c/s Tirumenahalli												
	0.00	15.00		1	15.00	5.50	5.10	5.30	0.15	11.93			
	15.00	30.00		1	15.00	5.10	4.60	4.85	0.15	10.91			
	30.00	45.00		1	15.00	4.60	4.20	4.40	0.15	9.90			
	45.00	60.00		1	15.00	4.20	3.80	4.00	0.15	9.00			
	60.00	70.00		1	10.00	3.80	5.10	4.45	0.15	6.68			
	70.00	75.00		1	5.00	5.10	5.10	5.10	0.15	3.83			
	Manhole Deductions												
				-3			2.01		0.15	-0.90	1.6 dia		
	3rd Block 7th c/s Tirumenahalli												
	0.00	15.00		1	15.00	5.50	5.60	5.55	0.15	12.49			
	15.00	21.50		1	6.50	5.60	5.25	5.43	0.15	5.29			
	21.50	30.00		1	8.50	5.25	5.25	5.25	0.15	6.69			
	30.00	42.00		1	12.00	5.25	5.25	5.25	0.15	9.45			
	Manhole Deductions												
				-1			0.64		0.15	-0.10	0.9dia		
	3rd Block 8th c/s Tirumenahalli												
	0.00	15.00		1	15.00	4.60	5.00	4.80	0.15	10.80			
	15.00	30.00		1	15.00	5.00	5.90	5.45	0.15	12.26			
	30.00	37.00		1	7.00	5.90	4.75	5.33	0.15	5.59			
	37.00	45.00		1	8.00	4.75	4.60	4.68	0.15	5.61			
	45.00	60.00		1	15.00	4.60	4.00	4.30	0.15	9.68			
	60.00	65.00		1	5.00	4.00	4.70	4.35	0.15	3.26			
	65.00	70.00		1	5.00	4.70	5.60	5.15	0.15	3.86			
	70.00	75.00		1	5.00	5.60	6.00	5.80	0.15	4.35			
	75.00	80.00		1	5.00	6.00	6.10	6.05	0.15	4.54			
	80.00	83.00		1	3.00	6.10	7.30	6.70	0.15	3.02			
	83.00	86.00		1	3.00	7.30	6.00	6.65	0.15	2.99			
	86.00	87.00		1	1.00	6.00	4.00	5.00	0.15	0.75			
	87.00	95.00		1	8.00	4.00	4.50	4.25	0.15	5.10			
	95.00	100.00		1	5.00	4.50	4.50	4.50	0.15	3.38			
	100.00	103.70		1	3.70	4.50	2.60	3.55	0.15	1.97			
	Manhole Deductions												
				-1			2.01		0.15	-0.30	1.6 dia		
	Behind JLNC Road												
	0.00	5.00		1	5.00	6.65	6.60	6.63	0.15	4.97			
	5.00	10.00		1	5.00	6.60	7.30	6.95	0.15	5.21			
	10.00	15.00		1	5.00	7.30	7.55	7.43	0.15	5.57			
	15.00	20.00		1	5.00	7.55	7.15	7.35	0.15	5.51			
	20.00	25.00		1	5.00	7.15	7.20	7.18	0.15	5.38			
	25.00	30.00		1	5.00	7.20	6.85	7.03	0.15	5.27			
	30.00	35.00		1	5.00	6.85	6.75	6.80	0.15	5.10			
	35.00	40.00		1	5.00	6.75	6.55	6.65	0.15	4.99			
	40.00	45.00		1	5.00	6.55	6.50	6.53	0.15	4.89			
	45.00	50.00		1	5.00	6.50	6.00	6.25	0.15	4.69			
	50.00	55.00		1	5.00	6.00	5.40	5.70	0.15	4.28			
	55.00	60.00		1	5.00	5.40	7.05	6.23	0.15	4.67			
	60.00	65.00		1	5.00	7.05	7.10	7.08	0.15	5.31			
	65.00	70.00		1	5.00	7.10	7.25	7.18	0.15	5.38			
	70.00	75.00		1	5.00	7.25	7.20	7.23	0.15	5.42			
	75.00	80.00		1	5.00	7.20	7.00	7.10	0.15	5.33			

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

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Name of Work : - Improvements to roads and drains at Agrahara and surrounding area in Ward No 05 Byatarayanapura sub division

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	80.00	85.00		1	5.00	7.00	7.10	7.05	0.15	5.29			
	85.00	90.00		1	5.00	7.10	8.10	7.60	0.15	5.70			
	90.00	95.00		1	5.00	8.10	7.30	7.70	0.15	5.78			
	95.00	100.00		1	5.00	7.30	7.40	7.35	0.15	5.51			
	100.00	105.00		1	5.00	7.40	5.85	6.63	0.15	4.97			
	105.00	110.00		1	5.00	5.85	5.60	5.73	0.15	4.29			
	110.00	115.00		1	5.00	6.80	6.80	6.80	0.15	5.10			
	115.00	120.00		1	5.00	7.05	7.05	7.05	0.15	5.29			
	120.00	125.00		1	5.00	7.15	7.15	7.15	0.15	5.36			
	125.00	130.00		1	5.00	7.15	7.15	7.15	0.15	5.36			
	130.00	135.00		1	5.00	7.15	7.15	7.15	0.15	5.36			
	135.00	140.00		1	5.00	6.55	6.55	6.55	0.15	4.91			
	140.00	145.00		1	5.00	7.70	7.70	7.70	0.15	5.78			
	145.00	149.20		1	4.20	9.40	9.40	9.40	0.15	5.92			
								Total Quantity		390.53	Cum	5202.00	20,31,550.00
												Total Amount	1,43,54,390.00
												Add 12% GST	17,22,526.80
												Grand Amount	1,60,76,916.80

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE
BYTARAYANPURA DIVISION

Name of Work: Package 2 Consists of 3 Works of Rs.1100.00 Lakhs

3.Improvements to roads and drains at Hegdenagar and surrounding area in Ward No 06 Byatarayanapura sub division.

DETAILED-MEASUREMENT

FOURTH & PART BILL

TEJUS CONSULTANTS
CONSULTING ENGINEERS AND DESIGNERS
No.58 MIG, 6th Cross, 3rd Main
1st Stage, Basaveshwaranagar
Bangalore-560079
☎ 080 - 23287532
email: tejusconsultants@gmail.com

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BRUHAT BANGALORE MAHANAGARA PALIKE

BYATARAYANAPURA SUB DIVISION

Bill No :Fourth and Part Bill

Name of Agency :- Benaka Developers & Project Pvt.Ltd.

Name of Work : - Improvements to roads and drains at Hegdenagar and surrounding area in Ward No 06 Byatarayanapura sub division.

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
14	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg|Sqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 (P.No.158, I.No.21.6 of PW,P&IWTD SR 2018-19)											
	Measurements recorded on											
	Qty vide Pre measurement sheet page no . 68							**Total Quantity**	**16003.99**	**Sqm**	**29.00**	**4,64,116.00**
15	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.158, I.No.21.2 of PW,P&IWTD SR 2018-19)											
	Measurements recorded on											
	Qty vide Pre measurement sheet page no . 12							**Total Quantity**	**3359.26**	**Sqm**	**6.00**	**20,156.00**
16	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 Sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 (P.No.158 I.No.21.7 of PW,P&IWTD SR of 2018-19)											
	Measurements recorded on											
	Qty vide Pre measurement sheet page no . 22							**Total Quantity**	**21652.43**	**Sqm**	**12.00**	**2,59,829.00**
17	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen (P.No-160,I No-21.17.6)											
	Measurements recorded on											
	Qty vide Pre measurement sheet page no . 24							**Total Quantity**	**131.78**	**Cum**	**7284.00**	**9,59,865.00**

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvements to roads and drains at Hegdenagar and surrounding area in Ward No 06 Byatarayanapura sub division.

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
18	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) (P.No.171, I.No.21.78.12 of PW,P&IWTD SR 2018-19) As per Issue rate dated: 03/01/2020												
	BDS Layout 1st A cross												
	0.00	5.00		1	5.00	8.00	6.70	7.35	0.04	1.47			
	5.00	15.00		1	10.00	6.70	6.00	6.35	0.04	2.54			
	15.00	30.00		1	15.00	6.00	6.25	6.13	0.04	3.68			
	30.00	45.00		1	15.00	6.25	6.65	6.45	0.04	3.87			
	45.00	55.00		1	10.00	6.65	6.50	6.58	0.04	2.63			
	55.00	86.50		0	31.50	0.00	0.00	0.00	0.04	0.00			
	86.50	100.00		1	13.50	5.00	5.15	5.08	0.04	2.74			
	100.00	115.00		1	15.00	5.15	5.30	5.23	0.04	3.14			
	115.00	130.00		1	15.00	5.30	5.30	5.30	0.04	3.18			
	130.00	145.00		1	15.00	5.30	5.10	5.20	0.04	3.12			
	145.00	160.00		1	15.00	5.10	5.00	5.05	0.04	3.03			
	160.00	175.00		1	15.00	5.00	4.90	4.95	0.04	2.97			
	175.00	190.00		1	15.00	4.90	5.10	5.00	0.04	3.00			
	190.00	205.00		1	15.00	5.10	5.00	5.05	0.04	3.03			
	205.00	220.00		1	15.00	5.00	5.25	5.13	0.04	3.08			
	220.00	235.00		1	15.00	5.25	5.15	5.20	0.04	3.12			
	235.00	250.00		1	15.00	5.15	5.20	5.18	0.04	3.11			
	250.00	265.00		1	15.00	5.20	5.30	5.25	0.04	3.15			
	265.00	280.00		1	15.00	5.30	5.20	5.25	0.04	3.15			
	280.00	295.00		1	15.00	5.20	5.00	5.10	0.04	3.06			
	295.00	310.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	310.00	325.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	325.00	340.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	340.00	355.00		1	15.00	5.00	5.20	5.10	0.04	3.06			
	355.00	370.00		1	15.00	5.20	5.20	5.20	0.04	3.12			
	370.00	376.00		1	6.00	5.20	6.65	5.93	0.04	1.42			
	376.00	385.00		1	9.00	6.65	5.20	5.93	0.04	2.13			
	385.00	400.00		1	15.00	5.20	5.15	5.18	0.04	3.11			
	400.00	415.00		1	15.00	5.15	5.15	5.15	0.04	3.09			
	415.00	430.00		1	15.00	5.15	5.60	5.38	0.04	3.23			
	430.00	441.00		1	11.00	5.60	5.25	5.43	0.04	2.39			
	BDS Layout 1st cross Rd												
	0.00	15.00		1	15.00	4.85	4.85	4.85	0.04	2.91			
	15.00	30.00		1	15.00	4.85	4.80	4.83	0.04	2.90			
	30.00	45.00		1	15.00	4.80	4.70	4.75	0.04	2.85			
	45.00	60.00		1	15.00	4.70	4.70	4.70	0.04	2.82			
	60.00	75.00		1	15.00	4.70	5.00	4.85	0.04	2.91			
	75.00	90.00		1	15.00	5.00	4.90	4.95	0.04	2.97			
	90.00	105.00		1	15.00	4.90	5.00	4.95	0.04	2.97			
	105.00	120.00		1	15.00	5.00	4.90	4.95	0.04	2.97			
	120.00	135.00		1	15.00	4.90	4.95	4.93	0.04	2.96			
	135.00	150.00		1	15.00	4.95	4.95	4.95	0.04	2.97			
	150.00	165.00		1	15.00	4.95	4.90	4.93	0.04	2.96			

Tejus Consultants

Asistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvements to roads and drains at Hegdenagar and surrounding area in Ward No 06 Byatarayanapura sub division.

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	165.00	169.50		1	4.50	4.90	6.30	5.60	0.04	1.01			
	BDS Layout 2nd cross Rd												
	0.00	5.00		1	5.00	5.00	4.90	4.95	0.04	0.99			
	5.00	15.00		1	10.00	4.90	4.75	4.83	0.04	1.93			
	15.00	30.00		1	15.00	4.75	4.75	4.75	0.04	2.85			
	30.00	45.00		1	15.00	4.75	5.00	4.88	0.04	2.93			
	45.00	60.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	60.00	75.00		1	15.00	5.00	5.05	5.03	0.04	3.02			
	75.00	90.00		1	15.00	5.05	5.15	5.10	0.04	3.06			
	90.00	105.00		1	15.00	5.15	5.00	5.08	0.04	3.05			
	105.00	120.00		1	15.00	5.00	4.85	4.93	0.04	2.96			
	120.00	135.00		1	15.00	4.85	4.85	4.85	0.04	2.91			
	135.00	150.00		1	15.00	4.85	4.90	4.88	0.04	2.93			
	150.00	157.50		1	7.50	4.90	4.85	4.88	0.04	1.46			
	BDS Layout 3rd cross Rd												
	0.00	5.00		1	5.00	6.20	4.95	5.58	0.04	1.12			
	5.00	15.00		1	10.00	4.95	5.00	4.98	0.04	1.99			
	15.00	30.00		1	15.00	5.00	4.95	4.98	0.04	2.99			
	30.00	45.00		1	15.00	4.95	5.10	5.03	0.04	3.02			
	45.00	60.00		1	15.00	5.10	5.00	5.05	0.04	3.03			
	60.00	75.00		1	15.00	5.00	5.10	5.05	0.04	3.03			
	75.00	90.00		1	15.00	5.10	5.10	5.10	0.04	3.06			
	90.00	105.00		1	15.00	5.10	5.05	5.08	0.04	3.05			
	105.00	120.00		1	15.00	5.05	5.00	5.03	0.04	3.02			
	120.00	135.00		1	15.00	5.00	5.30	5.15	0.04	3.09			
	135.00	149.50		1	14.50	5.30	5.10	5.20	0.04	3.02			
	149.50	150.90		0	1.40	0.00	0.00	0.00	0.04	0.00			
	150.90	165.00		1	14.10	5.00	4.90	4.95	0.04	2.79			
	165.00	180.00		1	15.00	4.90	4.80	4.85	0.04	2.91			
	180.00	193.00		1	13.00	4.80	5.55	5.18	0.04	2.69			
	193.00	200.00		1	7.00	5.55	4.90	5.23	0.04	1.46			
	200.00	210.00		1	10.00	4.90	4.60	4.75	0.04	1.90			
	210.00	225.00		1	15.00	4.60	4.70	4.65	0.04	2.79			
	225.00	240.00		1	15.00	4.70	5.05	4.88	0.04	2.93			
	240.00	260.00		1	20.00	5.05	4.60	4.83	0.04	3.86			
	260.00	275.00		1	15.00	4.60	4.70	4.65	0.04	2.79			
	275.00	290.00		1	15.00	4.70	4.90	4.80	0.04	2.88			
	290.00	305.00		1	15.00	4.90	4.85	4.88	0.04	2.93			
	305.00	320.00		1	15.00	4.85	4.80	4.83	0.04	2.90			
	320.00	335.00		1	15.00	4.80	5.00	4.90	0.04	2.94			
	335.00	350.00		1	15.00	5.00	4.85	4.93	0.04	2.96			
	350.00	365.00		1	15.00	4.85	4.90	4.88	0.04	2.93			
	365.00	380.00		1	15.00	4.90	4.95	4.93	0.04	2.96			
	380.00	395.00		1	15.00	4.95	4.90	4.93	0.04	2.96			
	395.00	402.50		1	7.50	4.90	4.90	4.90	0.04	1.47			
	BDS Layout 4th cross Rd												
	0.00	5.00		1	5.00	5.00	6.20	5.60	0.04	1.12			
	5.00	15.00		1	10.00	6.20	5.20	5.70	0.04	2.28			
	15.00	30.00		1	15.00	5.20	5.10	5.15	0.04	3.09			
	30.00	45.00		1	15.00	5.10	4.90	5.00	0.04	3.00			
	45.00	60.00		1	15.00	4.90	4.90	4.90	0.04	2.94			
	60.00	75.00		1	15.00	4.90	4.85	4.88	0.04	2.93			
	75.00	90.00		1	15.00	4.85	4.80	4.83	0.04	2.90			

Tejus Consultants

Assistant Engineer

ಸಹಾಯಕ Assistant Executive Engineer

Detailed Measurements

Name of Work : - Improvements to roads and drains at Hegdenagar and surrounding area in Ward No 06 Byatarayanapura sub division.

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	90.00	105.00		1	15.00	4.80	4.80	4.80	0.04	2.88			
	105.00	120.00		1	15.00	4.80	4.90	4.85	0.04	2.91			
	120.00	135.00		1	15.00	4.90	4.90	4.90	0.04	2.94			
	135.00	150.00		1	15.00	4.90	4.85	4.88	0.04	2.93			
	150.00	165.00		1	15.00	4.85	4.80	4.83	0.04	2.90			
	165.00	180.00		1	15.00	4.80	4.90	4.85	0.04	2.91			
	180.00	195.00		1	15.00	4.90	4.70	4.80	0.04	2.88			
	195.00	210.00		1	15.00	4.70	5.00	4.85	0.04	2.91			
	210.00	225.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	225.00	240.00		1	15.00	5.00	5.20	5.10	0.04	3.06			
	240.00	255.00		1	15.00	5.20	5.60	5.40	0.04	3.24			
	255.00	270.00		1	15.00	5.60	5.25	5.43	0.04	3.26			
	270.00	285.00		1	15.00	5.25	5.30	5.28	0.04	3.17			
	285.00	304.50		1	19.50	5.30	4.35	4.83	0.04	3.76			
	c/s b/w BDS Layout 4th and 3rd cross Rd												
	0.00	2.50		1	2.50	6.20	4.90	5.55	0.04	0.56			
	2.50	15.00		1	12.50	4.90	5.00	4.95	0.04	2.48			
	15.00	30.00		1	15.00	5.00	5.10	5.05	0.04	3.03			
	30.00	34.00		1	4.00	5.10	5.20	5.15	0.04	0.82			
	34.00	35.00		1	1.00	5.20	7.00	6.10	0.04	0.24			
	c/s b/w BDS Layout 4th and 3rd cross Rd												
	0.00	15.00		1	15.00	5.50	4.95	5.23	0.04	3.14			
	15.00	30.00		1	15.00	4.95	6.70	5.83	0.04	3.50			
	30.00	45.00		1	15.00	6.70	5.40	6.05	0.04	3.63			
	45.00	60.00		1	15.00	5.40	5.40	5.40	0.04	3.24			
	60.00	75.00		1	15.00	5.40	4.90	5.15	0.04	3.09			
	75.00	90.00		1	15.00	4.90	4.90	4.90	0.04	2.94			
	90.00	100.00		1	10.00	4.90	5.00	4.95	0.04	1.98			
	100.00	101.50		1	1.50	5.00	6.40	5.70	0.04	0.34			
	Shirdi sai Rathan Layout 2nd cross Road												
	1st cross Sub Road												
	0.00	15.00		1	15.00	5.00	4.60	4.80	0.04	2.88			
	15.00	31.20		1	16.20	4.60	4.80	4.70	0.04	3.05			
	2nd cross Sub Road												
	0.00	2.00		1	2.00	5.00	4.50	4.75	0.04	0.38			
	2.00	15.00		1	13.00	4.50	4.50	4.50	0.04	2.34			
	15.00	22.00		1	7.00	4.50	5.60	5.05	0.04	1.41			
	22.00	31.00		1	9.00	5.60	5.00	5.30	0.04	1.91			
	31.00	39.50		1	8.50	5.00	5.00	5.00	0.04	1.70			
	3rd cross Sub Road												
	0.00	15.00		1	15.00	4.50	4.65	4.58	0.04	2.75			
	15.00	30.00		1	15.00	4.65	4.65	4.65	0.04	2.79			
	30.00	31.00		1	1.00	4.65	4.75	4.70	0.04	0.19			
	Shiradi Sai Rathan Layout 3rd A c/s road												
	0.00	2.00		1	2.00	6.50	5.10	5.80	0.04	0.46			
	2.00	15.00		1	13.00	5.10	5.00	5.05	0.04	2.63			
	15.00	30.00		1	15.00	5.00	5.10	5.05	0.04	3.03			
	30.00	45.00		1	15.00	5.10	5.10	5.10	0.04	3.06			
	45.00	60.00		1	15.00	5.10	5.10	5.10	0.04	3.06			
	60.00	75.00		1	15.00	5.10	5.15	5.13	0.04	3.08			

25-06-2022

Tejus Consultants

Assistant Engineer

106.42

Scanned by CamScanner

Detailed Measurements

Name of Work : - Improvements to roads and drains at Hegdenagar and surrounding area in Ward No 06 Byatarayanapura sub division.

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	75.00	90.00		1	15.00	5.15	4.75	4.95	0.04	2.97			
	90.00	105.00		1	15.00	4.75	4.80	4.78	0.04	2.87			
	105.00	120.00		1	15.00	4.80	5.25	5.03	0.04	3.02			
	120.00	135.00		1	15.00	5.25	5.30	5.28	0.04	3.17			
	135.00	150.00		1	15.00	5.30	5.40	5.35	0.04	3.21			
	150.00	165.00		1	15.00	5.40	5.05	5.23	0.04	3.14			
	165.00	180.00		1	15.00	5.05	4.80	4.93	0.04	2.96			
	180.00	195.00		1	15.00	4.80	5.00	4.90	0.04	2.94			
	195.00	210.00		1	15.00	5.00	5.40	5.20	0.04	3.12			
	Shiradi Sai Rathan Layout 2nd A c/s road												
	0.00	2.00		1	2.00	6.80	5.25	6.03	0.04	0.48			
	2.00	15.00		1	13.00	5.25	4.90	5.08	0.04	2.64			
	15.00	30.00		1	15.00	4.90	5.00	4.95	0.04	2.97			
	30.00	45.00		1	15.00	5.00	4.60	4.80	0.04	2.88			
	45.00	60.00		1	15.00	4.60	4.40	4.50	0.04	2.70			
	60.00	70.00		1	10.00	4.40	5.30	4.85	0.04	1.94			
	70.00	75.00		1	5.00	5.30	5.10	5.20	0.04	1.04			
	75.00	90.00		1	15.00	5.10	5.30	5.20	0.04	3.12			
	90.00	105.00		1	15.00	5.30	4.95	5.13	0.04	3.08			
	105.00	120.00		1	15.00	4.95	5.00	4.98	0.04	2.99			
	120.00	135.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	135.00	150.00		1	15.00	5.00	4.90	4.95	0.04	2.97			
	150.00	165.00		1	15.00	4.90	4.60	4.75	0.04	2.85			
	165.00	180.00		1	15.00	4.60	4.75	4.68	0.04	2.81			
	180.00	195.00		1	15.00	4.75	5.50	5.13	0.04	3.08			
	195.00	210.00		1	15.00	5.50	5.20	5.35	0.04	3.21			
	210.00	221.00		1	11.00	5.20	5.20	5.20	0.04	2.29			
	221.00	223.00		1	2.00	5.20	8.50	6.85	0.04	0.55			
	Shiradi Sai Rathan Layout 1st A cross Road												
	0.00	2.00		1	2.00	6.10	5.00	5.55	0.04	0.44			
	2.00	15.00		1	13.00	5.00	5.10	5.05	0.04	2.63			
	15.00	30.00		1	15.00	5.10	4.80	4.95	0.04	2.97			
	30.00	45.00		1	15.00	4.80	4.70	4.75	0.04	2.85			
	45.00	60.00		1	15.00	4.70	4.60	4.65	0.04	2.79			
	60.00	75.00		1	15.00	4.60	4.80	4.70	0.04	2.82			
	75.00	90.00		1	15.00	4.80	4.85	4.83	0.04	2.90			
	90.00	105.00		1	15.00	4.85	4.90	4.88	0.04	2.93			
	105.00	120.00		1	15.00	4.90	4.85	4.88	0.04	2.93			
	120.00	135.00		1	15.00	4.85	4.50	4.68	0.04	2.81			
	135.00	150.00		1	15.00	4.50	4.20	4.35	0.04	2.61			
	150.00	165.00		1	15.00	4.20	4.70	4.45	0.04	2.67			
	165.00	180.00		1	15.00	4.70	4.95	4.83	0.04	2.90			
	180.00	195.00		1	15.00	4.95	4.90	4.93	0.04	2.96			
	195.00	210.00		1	15.00	4.90	4.65	4.78	0.04	2.87			
	210.00	225.00		1	15.00	4.65	4.65	4.65	0.04	2.79			
	225.00	229.00		1	4.00	4.65	6.00	5.33	0.04	0.85			
	229.00	240.00		1	11.00	6.00	7.00	6.50	0.04	2.86			
	240.00	246.50		1	6.50	7.00	7.80	7.40	0.04	1.92			
	Shiradi Sai Rathan Layout Dead End Road												
	0.00	4.00		1	4.00	4.35	4.20	4.28	0.04	0.68			
	4.00	15.00		1	11.00	4.20	4.20	4.20	0.04	1.85			
	15.00	30.00		1	15.00	4.20	4.50	4.35	0.04	2.61			
	30.00	45.00		1	15.00	4.50	4.00	4.25	0.04	2.55			

Tejus Consultants

Asistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Name of Work : - Improvements to roads and drains at Hegdenagar and surrounding area in Ward No 06 Byatarayanapura sub division.

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	45.00	60.00		1	15.00	4.00	4.30	4.15	0.04	2.49			
	60.00	69.00		1	9.00	4.30	4.30	4.30	0.04	1.55			
	69.00	70.50		1	1.50	4.30	5.00	4.65	0.04	0.28			
	Apoorva Enclave Road												
	0.00	2.50		1	2.50	9.80	9.50	9.65	0.04	0.97			
	2.50	4.00		0	1.50	0.00	0.00	0.00	0.04	0.00	Cross Culvert		
	4.00	10.00		1	6.00	7.50	6.20	6.85	0.04	1.64			
	10.00	15.00		1	5.00	6.20	6.10	6.15	0.04	1.23			
	15.00	30.00		1	15.00	6.10	7.20	6.65	0.04	3.99			
	30.00	45.00		1	15.00	7.20	6.15	6.68	0.04	4.01			
	45.00	60.00		1	15.00	6.15	6.15	6.15	0.04	3.69			
	60.00	66.00		1	6.00	6.15	6.80	6.48	0.04	1.55			
	66.00	75.00		1	9.00	6.80	6.00	6.40	0.04	2.30			
	75.00	85.00		1	10.00	6.00	6.80	6.40	0.04	2.56			
	85.00	94.00		1	9.00	6.80	6.05	6.43	0.04	2.31			
	94.00	105.00		1	11.00	6.05	6.05	6.05	0.04	2.66			
	105.00	120.00		1	15.00	6.05	6.10	6.08	0.04	3.65			
	120.00	135.00		1	15.00	6.10	6.15	6.13	0.04	3.68			
	135.00	150.00		1	15.00	6.15	6.15	6.15	0.04	3.69			
	150.00	165.00		1	15.00	6.15	6.10	6.13	0.04	3.68			
	165.00	180.00		1	15.00	6.10	6.15	6.13	0.04	3.68			
	180.00	185.00		1	5.00	6.15	6.60	6.38	0.04	1.28			
	185.00	195.00		1	10.00	6.60	6.15	6.38	0.04	2.55			
	195.00	210.00		1	15.00	6.15	6.45	6.30	0.04	3.78			
	210.00	220.00		1	10.00	6.45	6.05	6.25	0.04	2.50			
	220.00	225.00		1	5.00	6.05	6.05	6.05	0.04	1.21			
	225.00	240.00		1	15.00	6.05	6.50	6.28	0.04	3.77			
	240.00	256.00		1	16.00	6.50	6.50	6.50	0.04	4.16			
	256.00	257.60		0	1.60	0.00	0.00	0.00	0.04	0.00			
	257.60	262.00		1	4.40	6.50	6.00	6.25	0.04	1.10			
	262.00	270.00		1	8.00	6.00	6.00	6.00	0.04	1.92			
	270.00	285.00		1	15.00	6.00	6.20	6.10	0.04	3.66			
	285.00	300.00		1	15.00	6.20	6.10	6.15	0.04	3.69			
	300.00	315.00		1	15.00	6.10	6.15	6.13	0.04	3.68			
	315.00	330.00		1	15.00	6.15	6.05	6.10	0.04	3.66			
	330.00	345.00		1	15.00	6.05	6.10	6.08	0.04	3.65			
	345.00	360.00		1	15.00	6.10	6.05	6.08	0.04	3.65			
	360.00	375.00		1	15.00	6.05	6.00	6.03	0.04	3.62			
	375.00	390.00		1	15.00	6.00	5.95	5.98	0.04	3.59			
	390.00	405.00		1	15.00	5.95	5.90	5.93	0.04	3.56			
	405.00	414.00		1	9.00	5.90	6.85	6.38	0.04	2.30			
	414.00	422.00		1	8.00	6.85	6.00	6.43	0.04	2.06			
	422.00	435.00		1	13.00	6.00	5.90	5.95	0.04	3.09			
	435.00	450.00		1	15.00	5.90	5.85	5.88	0.04	3.53			
	450.00	465.00		1	15.00	5.85	6.10	5.98	0.04	3.59			
	465.00	480.00		1	15.00	6.10	6.75	6.43	0.04	3.86			
	480.00	495.00		1	15.00	6.75	6.05	6.40	0.04	3.84			
	495.00	510.00		1	15.00	6.05	6.10	6.08	0.04	3.65			
	510.00	525.00		1	15.00	6.10	6.20	6.15	0.04	3.69			
	525.00	530.50		1	5.50	6.20	6.00	6.10	0.04	1.34			
	Manhole Deductions			-11				0.64	0.04	-0.28			

05-07-2022 ರಂದು ಪೂರ್ಣಗೊಳಿಸಲಾದ ಕಾಮಗಾರಿಯ ಅಳತೆಯ ಮಾಹಿತಿಯನ್ನು ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗಕ್ಕೆ ನೀಡಲಾಗಿದೆ.

135.83

Tejus Consultants

BENAKA DEVELOPERS AND PROJECTS PVT LTD BANGALORE

Assistant Engineer
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Assistant Executive Engineer
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Scanned by CamScanner

Detailed Measurements

Name of Work : - Improvements to roads and drains at Hegdenagar and surrounding area in Ward No 06 Byatarayanapura sub division.

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	Shiradi Sai Rathan Layout												
	2nd cross Road												
	0.00	2.50		1	2.50	7.40	5.65	6.53	0.04	0.65			
	2.50	15.00		1	12.50	5.65	5.70	5.68	0.04	2.84			
	15.00	30.00		1	15.00	5.70	5.20	5.45	0.04	3.27			
	30.00	45.00		1	15.00	5.20	4.90	5.05	0.04	3.03			
	45.00	60.00		1	15.00	4.90	5.30	5.10	0.04	3.06			
	60.00	75.00		1	15.00	5.30	5.40	5.35	0.04	3.21			
	75.00	90.00		1	15.00	5.40	6.15	5.78	0.04	3.47			
	90.00	96.00		1	6.00	6.15	5.00	5.58	0.04	1.34			
	96.00	105.00		1	9.00	5.00	5.60	5.30	0.04	1.91			
	105.00	120.00		1	15.00	5.60	5.60	5.60	0.04	3.36			
	120.00	123.50		1	3.50	5.60	8.30	6.95	0.04	0.97			
	Connecting to 2nd A, B 1st A cross Road												
	0.00	3.00		1	3.00	5.10	4.60	4.85	0.04	0.58			
	3.00	15.00		1	12.00	4.60	4.60	4.60	0.04	2.21			
	15.00	30.00		1	15.00	4.60	4.60	4.60	0.04	2.76			
	30.00	32.00		1	2.00	4.60	5.85	5.23	0.04	0.42			
	32.00	40.00		1	8.00	5.85	4.80	5.33	0.04	1.70			
	40.00	60.00		1	20.00	4.80	5.35	5.08	0.04	4.06			
	60.00	70.00		1	10.00	5.35	5.60	5.48	0.04	2.19			
	70.00	80.00		1	10.00	5.60	5.00	5.30	0.04	2.12			
	80.00	95.00		1	15.00	5.00	5.50	5.25	0.04	3.15			
	95.00	102.50		1	7.50	5.50	6.00	5.75	0.04	1.73			
	Manhole Deductions			-3			0.64		0.04	-0.08			
	1st cross Road												
	0.00	3.00		1	3.00	6.50	5.00	5.75	0.04	0.69			
	3.00	15.00		1	12.00	5.00	4.90	4.95	0.04	2.38			
	15.00	30.00		1	15.00	4.90	4.80	4.85	0.04	2.91			
	30.00	45.00		1	15.00	4.80	4.90	4.85	0.04	2.91			
	45.00	60.00		1	15.00	4.90	5.00	4.95	0.04	2.97			
	60.00	75.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	75.00	90.00		1	15.00	5.00	4.90	4.95	0.04	2.97			
	90.00	105.00		1	15.00	4.90	4.70	4.80	0.04	2.88			
	105.00	120.00		1	15.00	4.70	4.70	4.70	0.04	2.82			
	120.00	135.00		1	15.00	4.70	4.80	4.75	0.04	2.85			
	135.00	137.50		1	2.50	4.80	7.00	5.90	0.04	0.59			
	Manhole Deductions			-3			0.64		0.04	-0.08			
	BDS Layout 2nd A c/s Rd(Dr.Shivarama Karanth ngar Mn to GKVK Double Rd)												
	0.00	3.00		1	3.00	6.00	5.50	5.75	0.04	0.69			
	3.00	15.00		1	12.00	5.50	5.00	5.25	0.04	2.52			
	15.00	30.00		1	15.00	5.00	5.00	5.00	0.04	3.00			
	30.00	45.00		1	15.00	5.00	4.75	4.88	0.04	2.93			
	45.00	60.00		1	15.00	4.75	4.80	4.78	0.04	2.87			
	60.00	72.00		1	12.00	4.80	4.70	4.75	0.04	2.28			
	BDS Layout 2nd c/s Rd(Dr.Shivarama Karanth ngar Mn to Amanthrana Party Hall)												
	0.00	3.00		1	3.00	8.40	6.10	7.25	0.04	0.87			
	3.00	15.00		1	12.00	6.10	6.10	6.10	0.04	2.93			
	15.00	30.00		1	15.00	6.10	6.30	6.20	0.04	3.72			
	30.00	45.00		1	15.00	6.30	8.10	7.20	0.04	4.32			
	45.00	60.00		1	15.00	8.10	6.40	7.25	0.04	4.35			
	60.00	75.00		1	15.00	6.40	6.30	6.35	0.04	3.81			

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer

Scanned by CamScanner

Detailed Measurements

Name of Work : - Improvements to roads and drains at Hegdenagar and surrounding area in Ward No 06 Byatarayanapura sub division.

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	75.00	82.50		1	7.50	6.30	6.60	6.45	0.04	1.94			
	Manhole Deductions			-2				0.64	0.04	-0.05			
	BDS Layout 1st c/s Rd(Dr.Shivarama Karanth ngar Mn to GKVK Double Rd)												
	0.00	15.00		1	15.00	6.70	6.00	6.35	0.04	3.81			
	15.00	30.00		1	15.00	6.00	6.10	6.05	0.04	3.63			
	30.00	45.00		1	15.00	6.10	6.20	6.15	0.04	3.69			
	45.00	60.00		1	15.00	6.20	6.25	6.23	0.04	3.74			
	60.00	75.00		1	15.00	6.25	6.20	6.23	0.04	3.74			
	75.00	90.00		1	15.00	6.20	6.20	6.20	0.04	3.72			
	90.00	100.00		1	10.00	6.20	6.70	6.45	0.04	2.58			
	100.00	104.00		1	4.00	6.70	6.50	6.60	0.04	1.06			
	Sub Road Connect to 2nd A Road(BDS Layout)												
	0.00	2.00		1	2.00	6.40	5.00	5.70	0.04	0.46			
	2.00	15.00		1	13.00	5.00	5.00	5.00	0.04	2.60			
	15.00	22.00		1	7.00	5.00	5.00	5.00	0.04	1.40	32.20		
								Total Quantity		760.68	Cum	8613.76	65,52,276.00
19	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per Sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803(P.No-182,I No-24.15)												
	BDS Layout 1st A cross												
	Edge Line			2	409.50			0.10		81.90			
	Centre Line			0.50	409.50			0.10		20.48			
	BDS Layout 1st cross Rd												
	Edge Line			2	169.50			0.10		33.90			
	Centre Line			0.50	169.50			0.10		8.48			
	BDS Layout 2nd cross Rd												
	Edge Line			2	157.50			0.10		31.50			
	Centre Line			0.50	157.50			0.10		7.88			
	BDS Layout 3rd cross Rd												
	Edge Line			2	401.10			0.10		80.22			
	Centre Line			0.50	401.10			0.10		20.06			
	BDS Layout 4th cross Rd												
	Edge Line			2	304.50			0.10		60.90			
	Centre Line			0.50	304.50			0.10		15.23			
	c/s b/w BDS Layout 4th and 3rd cross Rd												
	Edge Line			2	35.00			0.10		7.00			
	Centre Line			0.50	35.00			0.10		1.75			
	c/s b/w BDS Layout 4th and 3rd cross Rd												
	Edge Line			2	101.50			0.10		20.30			
	Centre Line			0.50	101.50			0.10		5.08			
	Shirdi sai Rathan Layout 2nd cross Road												
	1st cross Sub Road												
	Edge Line			2	31.20			0.10		6.24			
	Centre Line			0.50	31.20			0.10		1.56			
	2nd cross Sub Road												
	Edge Line			2	39.50			0.10		7.90			
	Centre Line			0.50	39.50			0.10		1.98			
	3rd cross Sub Road												

25.07.2022
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾ

Tejus Consultants

Assistant Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾ

Assistant Executive Engineer

Scanned by CamScanner

Detailed Measurements

Name of Work : - Improvements to roads and drains at Hegdenagar and surrounding area in Ward No 06 Byatarayanapura sub division.

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Unit/ Remarks	Rate	Amount
	Edge Line		2	31.00			0.10		6.20			
	Centre Line		0.50	31.00			0.10		1.55			
	Shiradi Sai Rathan Layout 3rd A c/s road											
	Edge Line		2	210.00			0.10		42.00			
	Centre Line		0.50	210.00			0.10		10.50			
	Shiradi Sai Rathan Layout 2nd A c/s road											
	Edge Line		2	223.00			0.10		44.60			
	Centre Line		0.50	223.00			0.10		11.15			
	Shiradi Sai Rathan Layout 1st A cross Road											
	Edge Line		2	246.50			0.10		49.30			
	Centre Line		0.50	246.50			0.10		12.33			
	Shiradi Sai Rathan Layout Dead End Road											
	Edge Line		2	70.50			0.10		14.10			
	Centre Line		0.50	70.50			0.10		3.53			
	Apoorva Enclave Road											
	Edge Line		2	527.40			0.10		105.48			
	Centre Line		0.50	527.40			0.10		26.37			
	Shiradi Sai Rathan Layout											
	Edge Line		2	123.50			0.10		24.70			
	Centre Line		0.50	123.50			0.10		6.18			
	Connecting to 2nd A, B 1st A cross Road											
	Edge Line		2	102.50			0.10		20.50			
	Centre Line		0.50	102.50			0.10		5.13			
	1st cross Road											
	Edge Line		2	137.50			0.10		27.50			
	Centre Line		0.50	137.50			0.10		6.88			
	BDS Layout 2nd A c/s Rd(Dr.Shivarama Karanth ngar Mn to GKVK Double Rd)											
	Edge Line		2	72.00			0.10		14.40			
	Centre Line		0.50	72.00			0.10		3.60			
	BDS Layout 2nd c/s Rd(Dr.Shivarama Karanth ngar Mn to Amanthrana Party Hall)											
	Edge Line		2	82.50			0.10		16.50			
	Centre Line		0.50	82.50			0.10		4.13			
	BDS Layout 1st c/s Rd(Dr.Shivarama Karanth ngar Mn to GKVK Double Rd)											
	Edge Line		2	104.00			0.10		20.80			
	Centre Line		0.50	104.00			0.10		5.20			
	Sub Road Connect to 2nd A Road(BDS Layout)											
	Edge Line		2	22.00			0.10		4.40			
	Centre Line		0.50	22.00			0.10		1.10	4,85,10		
							Total Quantity		900.43	Sqm	458.00	4,12,395.00
											Total Amount	86,68,637.00
											Add 12% GST	10,40,236.44
											Grand Amount	97,08,873.44

Tejus Consultants

Assistant Engineer

Assistant Executive Engineer